AVISCERA BIOSCIENCE®

High Sensitivity Beta Defensin ELISA Kits 2022

High Sensitivity Beta Defensin 5 (BD5) (Human) ELISA Kit

High Sensitivity Beta Defensin 5 (BD5) (H) ELISA Kit

Catalog No.: SK00854-06 **Size: 192T**

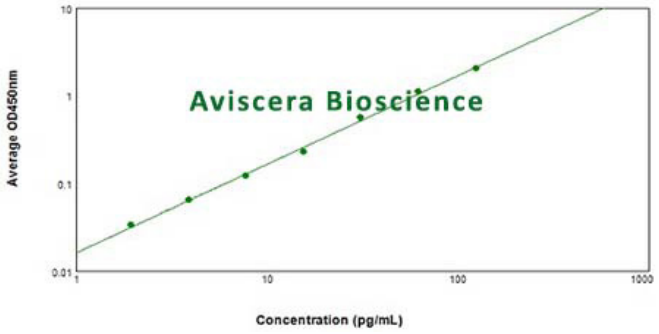
Sensitivity: 1 pg/mL

Standard Range: 1.95 ~ 125 pg/mL

Calibration: rh BD5 mature Rec.

Specificity: Human BD5

Sample Type: Saliva, Serum, Plasma, Recombinant



High Sensitivity Beta Defensin 5 (BD5) ELISA Kit	
Code No.: SK00854-06	
Size: 192 T	Price: $1260.00
Standard range: 1.95 ~ 125 pg/ml	
Sensitivity: 1 pg/ml	
Specificity: Human BD5 mature	
Calibration: Human BD5 Rec	
Sample Type: Saliva, Serum, Plasma	
Dilution Factor: Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 4-9%	

The research samples were diluted by Dilution Buffer DB30. The linearity and recovery was assayed by High Sensitivity BD5 ELISA Kit

Sample	Dilution Factor	Assayed (pg/mL)	Final (pg/mL)	Recovery (%)
Human Plasma A	20	21.119	422.38	100
Human Plasma A	40	11.183	447.32	106
Human Plasma A	80	5.349	427.92	101
Human Plasma A	160	2.719	435.04	103

Human Beta Defensin 5 (28-78) as mature form

```
          10          20          30
MALIRKTFYF LFAMFFILVQ LPSGCQAGLD

FSQPFPSGEF AVCESCKLGR GKCRKECLEN

EKPDGNCRLN FLCCRQRI 78
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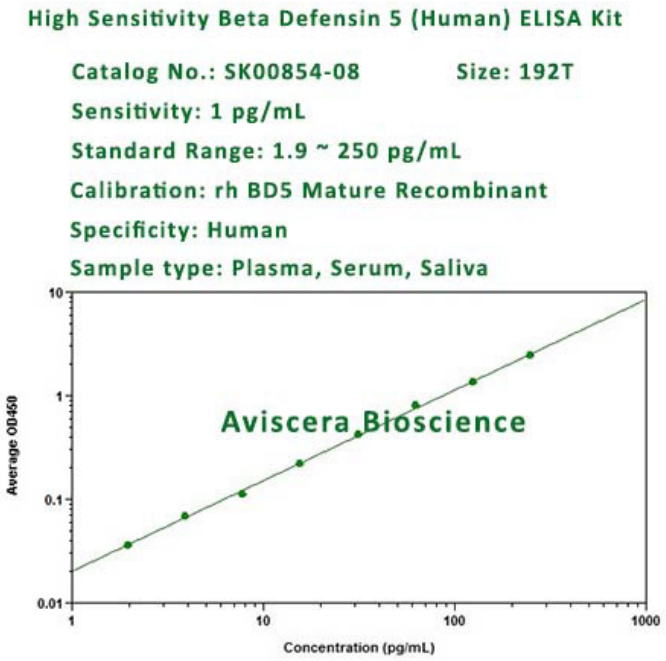
High Sensitivity Formulation for Human Beta Defensin 5 Sample Assay

Mature Human Beta Defensin 5 as Calibration

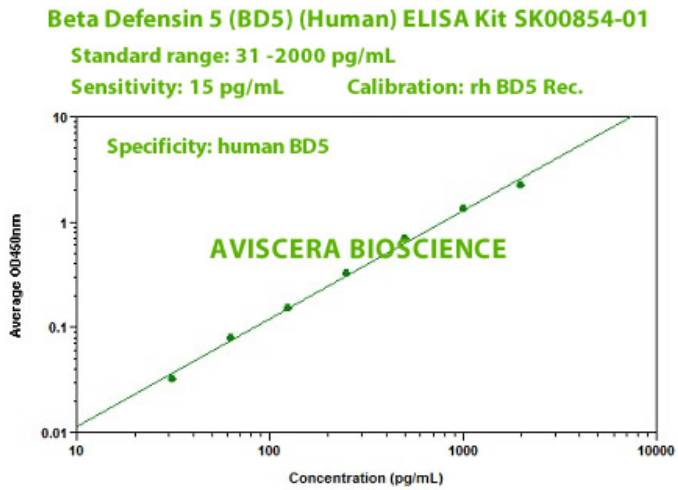
Specificity Validated by Western Blot and ELISA

more info www.aviscerabioscience.net

High Sensitiivty Beta Defensin 5 (BD5) (H) ELISA Kit



High Sensitivity Beta Defensin 5 (BD5) ELISA Kit	
Code No.: SK00854-08	
Size: 192 T	Price: $1220.00
Standard range: 1.9 ~ 250 pg/ml	
Sensitivity: 1 pg/ml	
Specificity: Human BD5 mature	
Calibration: Human BD5 Rec	
Sample Type: Saliva, Serum, Plasma	
Dilution Factor: Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 4-9%	



Beta Defensin 5 (BD5) ELISA Kit	
Code No.: SK00854-01	
Size: 960 T	Price: $4300.00
Size: 480 T	Price: $2300.00
Standard range: 31 ~ 2000 pg/ml	
Sensitivity: 15 pg/ml	
Specificity: Human BD5 mature	
Calibration: Human BD5 Rec	
Sample Type: Recombinant	
Dilution Factor: Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 4-9%	

High Sensitivity Beta Defensin ELISA Kit For Research Use Only

High Sensitivity Beta Defensin-4 (Human) ELISA Kit

High Sensitivity Beta Defensin 4 (BD4) (Human) ELISA Kit

Catalog No.: SK00853-06

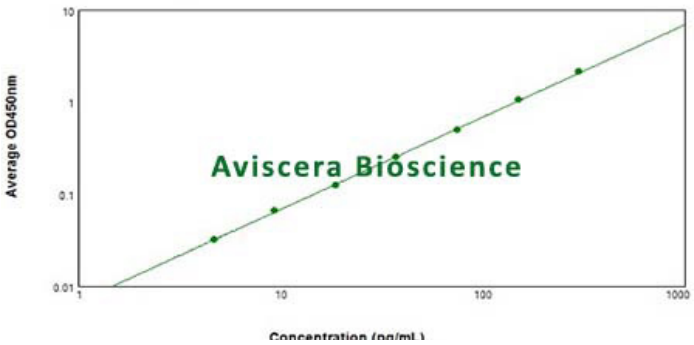
Standard Range: 4.7 ~ 300 pg/mL

Sensitivity: 2 pg/mL

Calibration: rh BD4 (23-72) Rec.

Sample Type: Saliva, Serum, Plasma, Recombinant

Specificity: human BD4



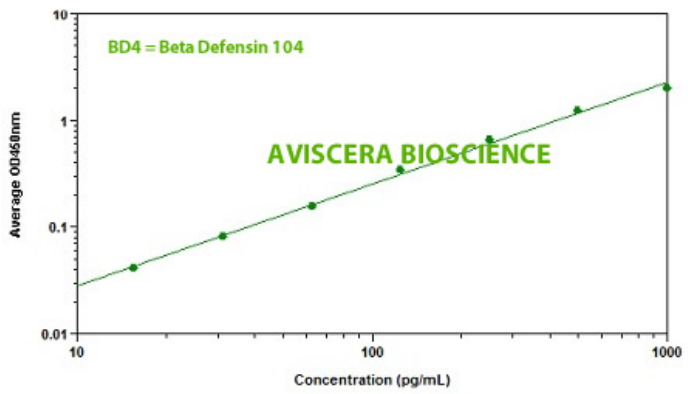
The research samples were diluted by Dilution Buffer DB30. The linearity and recovery was assayed by Aviscera Bioscience's High Sensitivity BD4 ELISA Kit

Sample	Dilution Factor	Assayed (pg/mL)	Final (pg/mL)	Recovery (%)
Human Plasma 1	5	18.315	91.575	100
Human Plasma 1	10	9.756	97.56	106
Human Plasma 1	20	4.989	99.78	109
Human Serum 2	5	27.443	137.215	100
Human Serum 2	10	14.593	145.93	106
Human Serum 2	20	6.599	131.98	96

Beta Defensin-4 (BD4) (Human) ELISA Kit SK00853-01

Standard range: 15.6 - 1000 pg/mL

Sensitivity: 7 pg/mL **Calibration: rh BD4 Rec.**



High Sensitivity Beta Defensin 4 (BD4) ELISA Kit	
Code No.: SK00853-06	
Size: 192 T	Price: $1220.00
Standard range: 4.7 ~ 300 pg/ml	
Sensitivity: 2 pg/ml	
Specificity: Human BD4 mature	
Calibration: Human BD4 (23-74) Rec	
Sample Type: Saliva, Serum, plasma	
Dilution Factor: 2-4 fold dilution for saliva samples. Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 4-9%	

Mature form of Human Beta Defensin 4 (23-72)

MQRLVLLLAI SLLLYQDLPV RSEFELDRIC 30

GYGTARCRKK CRSQEYRIGR CPNTYACCLR 60

KWDESLLNRT KP 72

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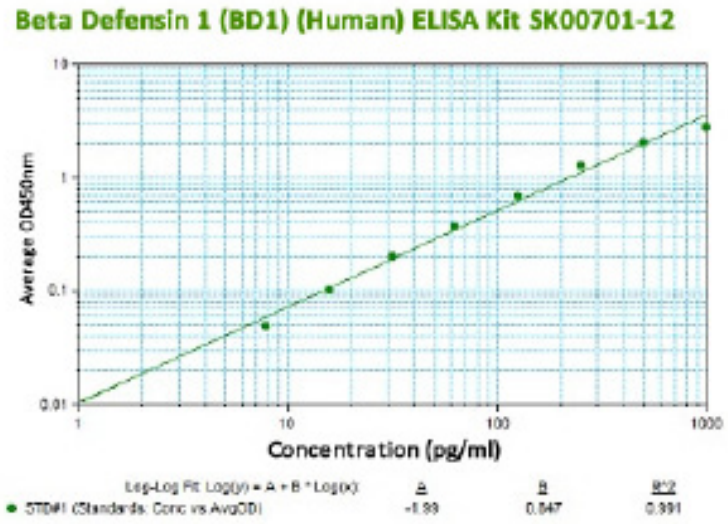
Beta Defensin 4 (BD4) ELISA Kit	
Code No.: SK00853-01	
Size: 96 T	Price: $460.00
Standard range: 15.6 ~ 1000 pg/ml	
Sensitivity: 7 pg/ml	
Specificity: Human BD4 mature	
Calibration: Human BD4 (23-74) Rec	
Sample Type: Saliva, Serum, plasma	
Dilution Factor: 2-4 fold dilution for saliva samples. Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 4-9%	

Human Beta Defensin 1 (BD1) ELISA Kit



Human Beta Defensin 1 (BD1) ELISA Kit	
Code No.: SK00701-12	
Size: 96T	Price: $490.00
Size: 480 T	Price: $2300.00
Standard range:15.6 ~ 1000 pg/ml	
Sensitivity: 7 pg/ml	
Specificity: Human BD1	
Calibration: Human BD1	
Sample Type: Saliva, serum, plasma	
Dilution Factor: 20-40 fold dilution for saliva samples. 50-100 fold dilution for serum or plasma. Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 8-12%	

Human Saliva,serum and EDTA plasma samples were diluted by Dilution Buffer (DB30) and assayed by Human Beta Defensin 1 (BD1) ELISA Kit SK00701-12

SAMPLE TYPE	DILUTION FACTOR	ASSAYED (PG/ML)	FINAL (NG/ML)	RECOVERY (%)
Human Saliva	20 X	170.36	3.407	100
Human Saliva	40 X	89.28	3.571	105
Human Serum	50 X	214.02	10.701	100
Human Serum	100 X	103.25	10.325	96.4
Human Plasma	25 X	410.72	10.268	100
Human Plasma	50 X	201.62	10.081	0.98
Human Plasma	100 X	117.39	11.739	114

Human Beta Defensin 1 (BD1)

MRTSYLLLFT LCLLLSEMAS GGNFLTGLGH

RSDHYNCVSS GGQCLYSACP IFTKIQGTCY

RGKAKCCK

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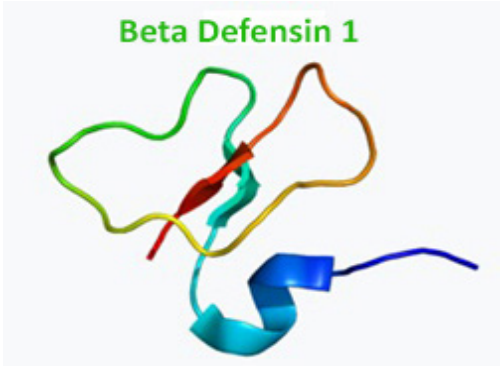
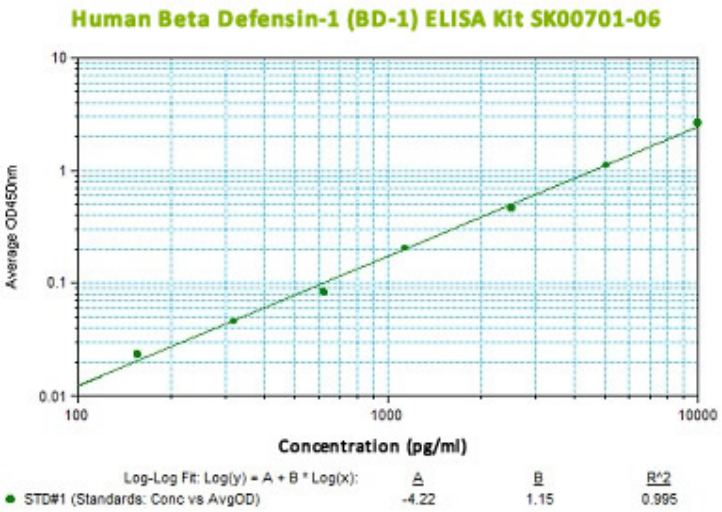
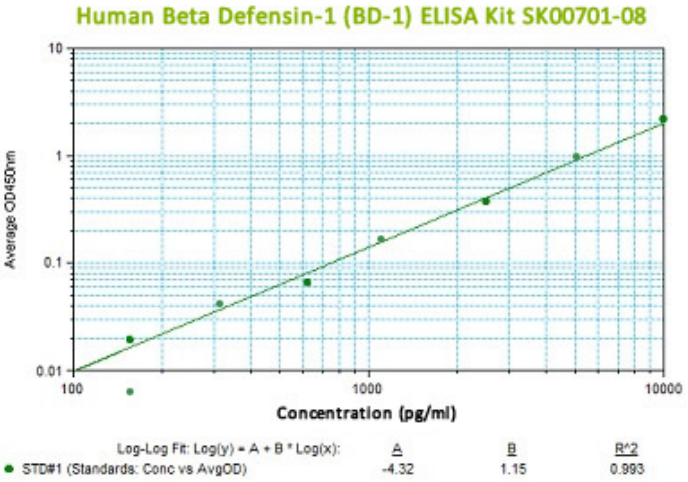


Beta-defensins are an important family of cationic antimicrobial peptides which greatly enhance the resistance of epithelial surfaces to microbial colonization and adaptive immune response.

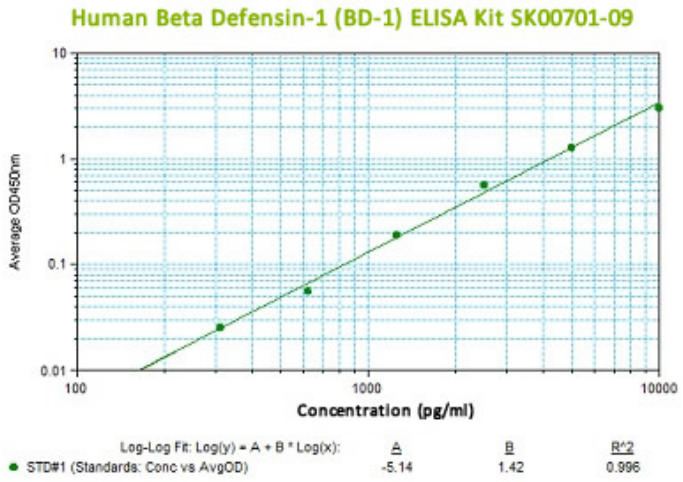
Beta Defensin-1 /BD1 (Human) ELISA Kit



Human Beta Defensin 1 (BD1) ELISA Kit	
Code No.: SK00701-06	
Size: 96T	Price: $490.00
Size: 480 T	Price: $2300.00
Standard range:156 ~ 10000 pg/ml	
Sensitivity: 50 pg/ml	
Specificity: Human BD1	
Calibration: Human BD1	
Sample Type: Saliva, Serum, plasma	
Intra-CV:4-8%	
Inter-CV: 8-12%	

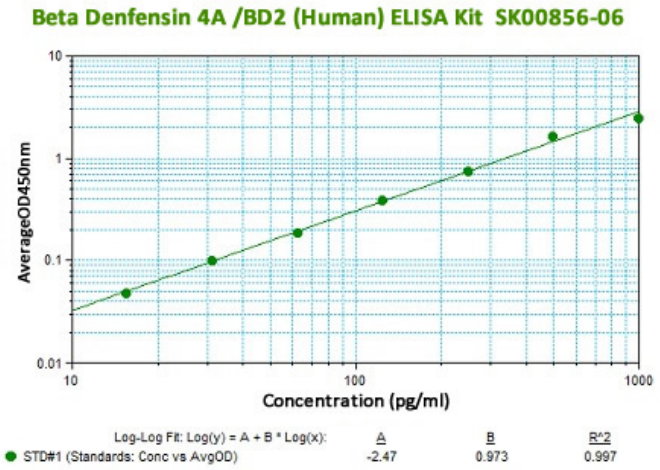


Human Beta Defensin 1 (BD1) ELISA Kit	
Code No.: SK00701-08	
Size: 96T	Price: $490.00
Size: 480 T	Price: $2300.00
Standard range:156 ~ 10000 pg/ml	
Sensitivity: 50 pg/ml	
Specificity: Human BD1	
Calibration: Human BD1	
Sample Type: Saliva, Serum, plasma	
Intra-CV:4-8%	
Inter-CV: 8-12%	



Human Beta Defensin 1 (BD1) ELISA Kit	
Code No.: SK00701-09	
Size: 96T	Price: $490.00
Size: 480 T	Price: $2300.00
Standard range:156 ~ 10000 pg/ml	
Sensitivity: 50 pg/ml	
Specificity: Human BD1	
Calibration: Human BD1	
Sample Type: Saliva, Serum, plasma	
Dilution Factor: Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 8-12%	

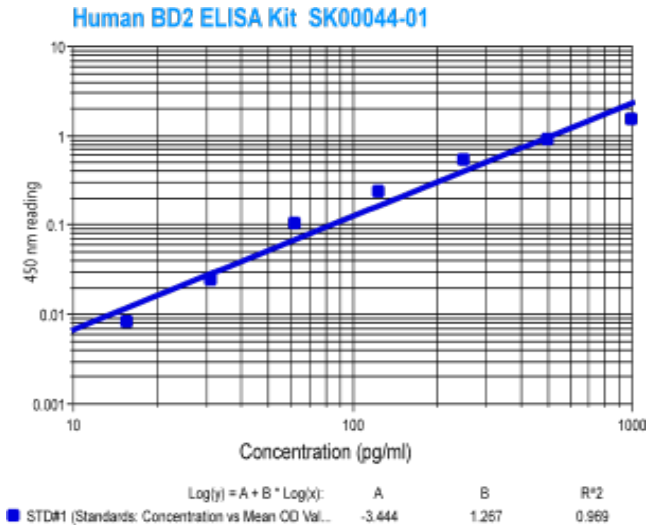
Beta Defensin-4A /BD2 (Human) ELISA Kit



Human Beta Defensin 2 (BD2) ELISA Kit	
Code No.: SK00856-06	
Size: 96T	Price: $490.00
Size: 480 T	Price: $2300.00
Size: 960 T	Price: $4410.00
Standard range:15.6 ~ 1000 pg/ml	
Sensitivity: 15 pg/ml	
Specificity: Human BD2	
Calibration: Human BD2	
Sample Type: Saliva, Serum, plasma	
Dilution Factor: 20-40 fold dilution for saliva samples. 50-100 fold dilution for serum or plasma. Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 8-12%	

The research samples wee diluted by Dilution Buffer (DB30) and assayed by Beta Defensin-4A (Human) ELISA Kit SK00856-06

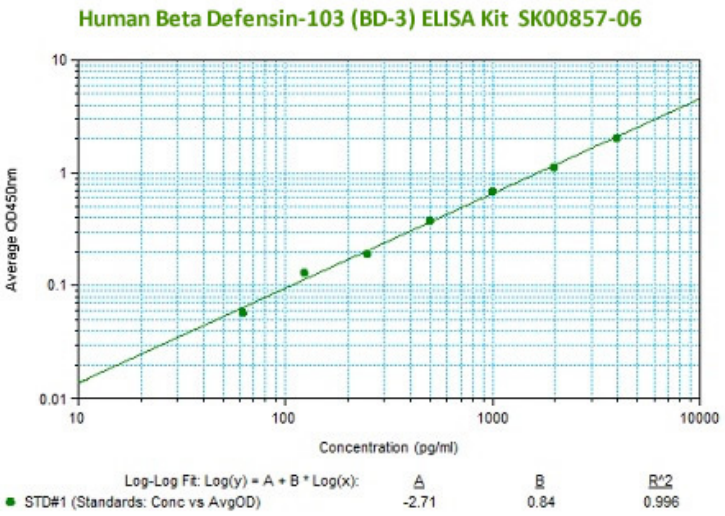
SAMPLE TYPE	DILUTION FACTOR	ASSAYED (PG/ML)	FINAL (NG/ML)	RECOVERY (%)
Human Saliva	20 X	472.920	9.458	100
Human Saliva	40 X	230.451	9.218	97.5
Human Serum	80 X	764.283	61.142	100
Human Serum	160 X	380.419	61.867	101
Human Plasma	25 X	627.103	15.678	100
Human Plasma	50 X	307.623	15.381	98.1
Human Plasma	100 X	143.247	14.324	91.4



Human Beta Defensin 2 (BD2) ELISA Kit	
Code No.: SK00044-01	
Size: 96T	$460.00
Size: 480T	$2100.00
Size: 960 T	$3900.00
Standard range:31.25 ~ 1000 pg/ml	
Sensitivity: 15 pg/ml	
Specificity: Human BD2	
Calibration: Human BD2	
Sample Type: Saliva, Serum, plasma	
Dilution Factor: Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 8-12%	

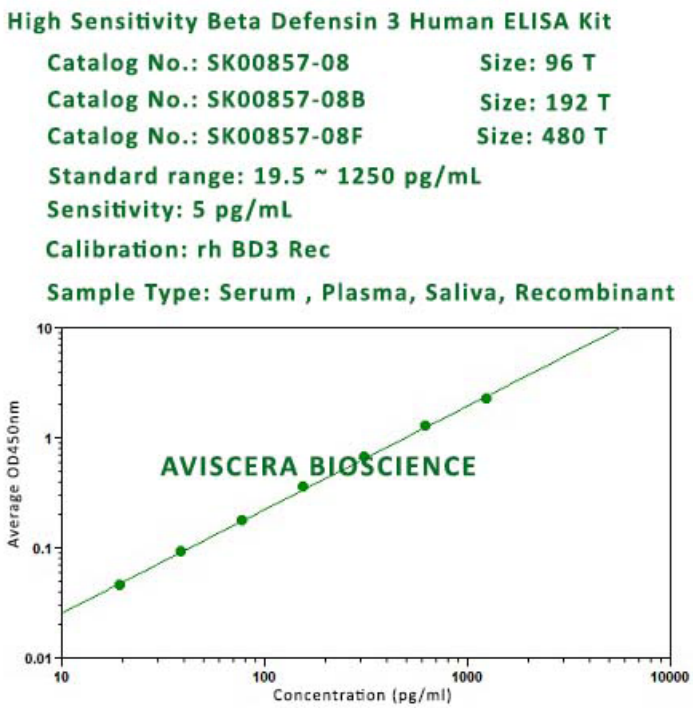
High Sensitivity Beta Defensin ELISA Kit For Research Use Only

Beta Defensin-103 /BD3 (Human) ELISA Kit



The human saliva samples were diluted by Dilution Buffer DB30. Its linearity and recevery was assayed by Human BD3 ELISA Kit SK00857-06

DILUTION FACTOR	ASSAYED (PG/ML)	FINAL (PG/ML)	RECOVERY (%)
0.5 X	299.69	599.39	100
0.25 X	138.26	553.04	92.3
0.125 X	85.53	684.24	114.2
0.0625 X	46.70	747.20	124.7



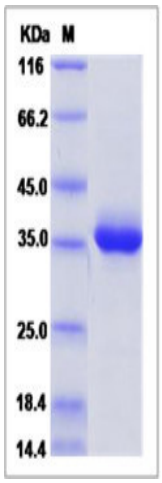
Human Beta Defensin 3 (BD3) ELISA Kit	
Code No.: SK00857-06	
Size: 96 T	Price: $490
Standard range:62.5 ~ 4000 pg/ml	
Sensitivity: 15 pg/ml	
Specificity: Human BD3	
Sample Type: Saliva, Serum, plasma	
Dilution Factor: 2-4 fold dilution for saliva samples. Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 4-9%	

Human Beta Defensin 3 (BD3) ELISA Kit	
Code No.: SK00045-01	
Size: 96T	$460.00
Standard range:125 ~ 4000 pg/ml	
Sensitivity: 30 pg/ml	
Specificity: Human BD3	
Sample Type: Saliva, Serum, plasma	
Dilution Factor: Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 4-9%	

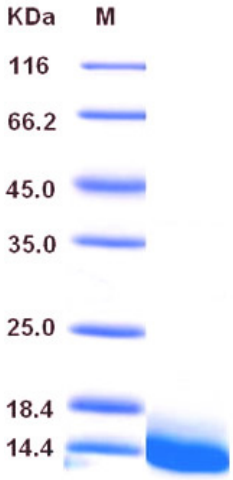
High Sensitivity Beta Defensin 3 (BD3) (Human) ELISA Kit	
Code No.: SK00857-08	
Size: 96T	$520.00
Standard range:19.5 ~ 1250 pg/ml	
Sensitivity: 5 pg/ml	
Specificity: Human BD3	
Sample Type: Saliva, Serum, plasma	
Dilution Factor: Optimal dilutions should be determined by each laboratory for each application	
Intra-CV:4-8%	
Inter-CV: 4-9%	

Beta Defensin-1 (BD1) Recombinant

Human Beta Defensin 1 (BD1) Fc Fusion Recombinant (Human cells)
Code No.: 00701-09-10
Size: 10 ug
Price: $220.00 USD
Protein ID: NP_005209.1
Gene ID: NM_005218.3
MW: 32 KD (Reduced)
Sequence: Gly22-Lys68
Tag: Human IgG1 Fc fusion on C Terminus
Expressed: HEK293
Purity: 95%



Human Beta Defensin 1 (BD1) Recombinant
Code No.: 00701-02-50
Size: 50 ug
Price: $360.00 USD
Protein ID: NP_005209.1
Gene ID: NM_005218.3
MW: 9.2 (Reduced)
Sequence: His Tag-Gly22-Lys68
Tag: His Tag on N Terminus
Expressed: E. Coli
Purity: 95%



Human Beta Defensin 1 (BD1) Recombinant
Code No.: 00701-03-50
Size: 50 ug
Price: $360.00 USD
Protein ID: NP_005209.1
Gene ID: NM_005218.3
MW: 16.7 (Reduced)
Sequence: His Tag-Gly22-Lys68
Tag: His Tag on N Terminus
Expressed: E. Coli
Purity: 95%

High Sensitivity Beta Defensin ELISA Kit For Research Use Only

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Product Name	Applications	Code	Size	Price ($)
High Sensitivity Beta Defensin 5 (BD5) (Human) ELISA Kit	Serum, plasma, saliva	SK00854-06	192 T	1260.00
High Sensitivity Beta Defensin 5 (BD5) (Human) ELISA Kit	Serum, plasma, saliva	SK00854-08	192 T	1220.00
High Sensitivity Beta Defensin 4 (BD4) (Human) ELISA Kit	Serum, plasma, saliva	SK00853-06	192 T	1220.00
High Sensitivity Beta Defensin 3 (BD3) (Human) ELISA Kit	Serum, plasma, saliva	SK00857-08	96 T	520.00
Beta Defensin 5 (BD5) (Human) ELISA Kit	Saliva, Recombi-nant	SK00854-01	480T	2300.00
Beta Defensin 1 (BD1) (Human) ELISA Kit	Serum, Plasma, Saliva	SK00701-12	96 T	490.00
Beta Defensin 2 (BD2) (Human) ELISA Kit	Serum, Plasma, Saliva	SK00856-06	96 T	490.00
Beta Defensin 3 (BD3) (Human) ELISA Kit	Serum, Plasma, Saliva	SK00857-06	96 T	490.00
Beta Defensin 2 (BD2) (Human) ELISA Kit	Serum, Plasma, Saliva	SK00044-01	96 T	460.00
Beta Defensin 3 (BD3) (Human) ELISA Kit	Serum, Plasma, Saliva	SK00045-01	96 T	460.00
Human Beta Defensin 1 (BD1) Fc Fusion Rec (Human cells)	Cell Biology	00701-09-10	10 μg	220.00
Human Beta Defensin 1 (BD1) Rec (E Coli)	Cell Biology	00701-02-20	20 μg	200.00
Human Beta Defensin 1 (BD1) Rec (E Coli)	Cell Biology	00701-02-50	50 μg	360.00
Human Beta Defensin 1 (BD1) Rec (E Coli)	Cell Biology	00701-02-1000	1 mg	2200.00
Human Beta Defensin 1 (BD1) Rec (E Coli) Biotinylated	Cell Biology	00701-02-50B	50 μg	520.00
Human Beta Defensin 1 (BD1) Rec (E Coli)	Cell Biology	00701-03-50	50 μg	360.00
Anti BD1 (Human) Monoclonal Antibody (Clone A4)	E, WB, IHC	A00701-15-100	100 μg	260.00
Anti BD1 (Human) Monoclonal Antibody (Clone B11)	E, WB, IHC	A00701-12-100	100 μg	260.00
Anti BD1 (Human) Monoclonal Antibody (Clone A11)	E, WB, IHC	A00701-14-100	100 μg	260.00
Anti BD1 (Human) Monoclonal Antibody (Clone A4) Biotinylated	E, WB, IHC	A00701-15-50B	50 μg	360.00
Anti BD1 (Human) Monoclonal Antibody (Clone B11) Biotinylated	E, WB, IHC	A00701-12-50B	50 μg	360.00