

Human Fibulin-5 ELISA Kit | FBLN5 elisa kit

Human Fibulin-5 ELISA Kit

 CATALOG #
AAA98207

 REACTIVITY
Human

PRODUCT SYNONYMS

Fibulin-5; Human Fibulin-5 ELISA Kit; FBLN5 (Fibulin-5)/DANCE/EVEC/UP50/ARMD3/FIBL-5//fibulin 5/Urine p50 protein/Developmental arteries and neural crest EGF-like protein; FBLN5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FAM19A5. No significant cross-reactivity or interference between FAM19A5 and analogues was observed.
Sequence Length	448
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.125-200ng/ml
Sensitivity	1.875ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FAM19A5 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FAM19A5 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a FBLN5 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.082	0.169	0.273	0.438	0.792	1.296	1.843	2.486

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FBLN5 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-FAM19A5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-FAM19A5 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the FAM19A5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of FAM19A5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743803
NCBI GeneID	10516
NCBI Accession #	NP_006320.2
NCBI GenBank Nucleotide #	NM_006329.3
Molecular Weight	50,180 Da
NCBI Official Full Name	fibulin-5
NCBI Official Synonym Full Names	fibulin 5
NCBI Official Symbol	FBLN5
NCBI Official Synonym Symbols	EVEC; UP50; ADCL2; ARMD3; DANCE; ARCL1A; FIBL-5; HNARMD
NCBI Protein Information	fibulin-5
UniProt Protein Name	Fibulin-5
UniProt Gene Name	FBLN5
UniProt Synonym Gene Names	DANCE; FIBL-5; Dance; UP50
UniProt Entry Name	FBLN5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fbln5-human-elisa-kits/fibulin-5/98207>