

Human Fibromodulin (FMOD) ELISA Kit | FMOD elisa kit

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CATALOG #
AAA140462

REACTIVITY
Human

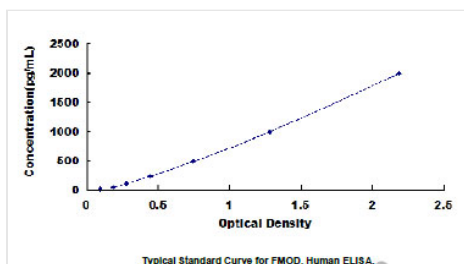
PRODUCT SYNONYMS

Fibromodulin (FMOD); Human Fibromodulin (FMOD) ELISA Kit; SLRR2E; FM; Collagen-binding 59 kDa protein; Keratan sulfate proteoglycan fibromodulin; KSPG fibromodulin; FMOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of filaggrin. No significant cross-reactivity or interference between filaggrin and analogues was observed.
Sequence Length	376
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	13.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level filaggrin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level filaggrin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FMOD elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of filaggrin in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to filaggrin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to filaggrin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain filaggrin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of filaggrin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FMOD elisa kit	Metabolic pathway; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	71040111
NCBI GeneID	2331
NCBI Accession #	NP_002014.2
NCBI GenBank Nucleotide #	NM_002023.4
UniProt Accession #	Q06828; Q15331; Q8IV47
Molecular Weight	43,179 Da
NCBI Official Full Name	fibromodulin
NCBI Official Synonym Full Names	fibromodulin
NCBI Official Symbol	FMOD
NCBI Official Synonym Symbols	FM; SLRR2E
NCBI Protein Information	fibromodulin
UniProt Protein Name	Fibromodulin
UniProt Gene Name	FMOD
UniProt Synonym Gene Names	FM; SLRR2E; FM; KSPG fibromodulin
UniProt Entry Name	FMOD_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.