

Canine Fibromodulin ELISA Kit | FMOD elisa kit

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CATALOG #
AAA93231

REACTIVITY
Canine

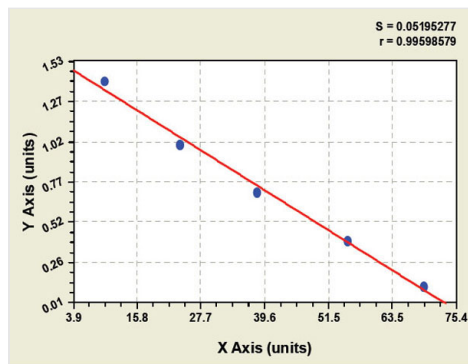
PRODUCT SYNONYMS

Fibromodulin; Canine Fibromodulin ELISA Kit; FMOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This FMOD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FMOD. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FMOD elisa kit

Principle of the Assay: FMOD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FMOD antibody and an FMOD-HRP conjugate. The assay sample and buffer are incubated together with FMOD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FMOD concentration since FMOD from samples and FMOD-HRP conjugate compete for the anti-FMOD antibody binding site. Since the number of sites is limited, as more sites are occupied by FMOD from the sample, fewer sites are left to bind FMOD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FMOD concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71040111
NCBI GeneID	2331
NCBI Accession #	NP_002014.2
NCBI GenBank Nucleotide #	NM_002023.4
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; KSPG fibromodulin; collagen-binding 59 kDa protein; keratan sulfate proteoglycan 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.