

FLRT2 elisa kit

Mouse FLRT2 PicoKine ELISA Kit

CATALOG #
AAA125099

REACTIVITY
Mouse There is no detectable cross-reactivity with other relevant proteins.

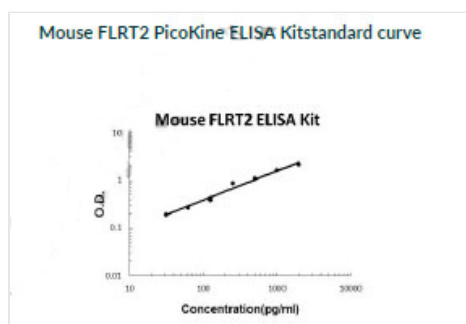
PRODUCT SYNONYMS

FLRT2; Mouse FLRT2 PicoKine ELISA Kit; Mouse FLRT2; Leucine-rich repeat transmembrane protein FLRT2; Fibronectin-like domain-containing leucine-rich transmembrane protein 2; Flrt2; Kiaa0405; Fibronectin leucine rich transmembrane protein 2; FLRT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse Flrt2
Sequence Length	660
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FLRT2 elisa kit	Principle of the Assay: The Mouse Flrt2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Flrt2 with a 96-well strip plate that is pre-coated with antibody specific for Flrt2. The detection antibody is a biotinylated antibody specific for Flrt2. The capture antibody is A monoclonal antibody from rat, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Mouse Flrt2 with immunogen: Expression system for standard: NSO, Immunogen sequence: C36-T660. The kit is analytically validated with ready to use reagents. To measure Mouse Flrt2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Flrt2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Flrt2 in the sample.!!Background/Introduction: Fibronectin leucine-rich repeat transmembrane protein FLRT2 is a protein that in humans is encoded by the FLRT2 gene. It is mapped to 12; 12 E. This gene encodes a member of the fibronectin leucine rich transmembrane (FLRT) family of cell adhesion molecules, which regulate early embryonic vascular and neural development. The encoded type I transmembrane protein has an extracellular region consisting of an N-terminal leucine-rich repeat domain and a type 3 fibronectin domain, followed by a transmembrane domain and a short C-terminal cytoplasmic tail domain. It functions as both a homophilic cell adhesion molecule and a heterophilic chemorepellent through its interaction with members of the uncoordinated-5 receptor family. Proteolytic removal of the extracellular region controls the migration of neurons in the developing cortex. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41462393
NCBI GeneID	399558
NCBI Accession #	NP_958926.1
NCBI GenBank Nucleotide #	NM_201518.4
UniProt Accession #	Q8BLU0; Q6A073
Molecular Weight	73,948 Da
NCBI Official Full Name	leucine-rich repeat transmembrane protein FLRT2
NCBI Official Synonym Full Names	fibronectin leucine rich transmembrane protein 2
NCBI Official Symbol	Flrt2
NCBI Protein Information	leucine-rich repeat transmembrane protein FLRT2
UniProt Protein Name	Leucine-rich repeat transmembrane protein FLRT2
UniProt Gene Name	Flrt2

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/mouse-elisa-kits/flrt2/125099>