

Mouse ANGPTL3 ELISA Kit | ANGPTL3 elisa kit

Mouse ANGPTL3 PicoKine ELISA Kit

CATALOG #
AAA45789

REACTIVITY
Mouse

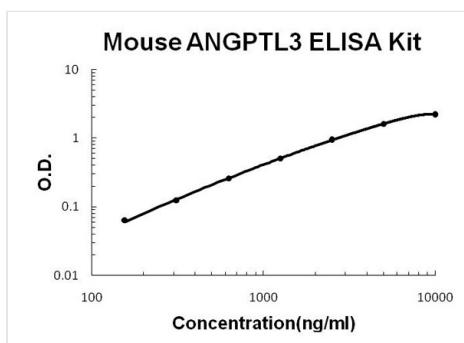
PRODUCT SYNONYMS

ANGPTL3; Mouse ANGPTL3 PicoKine ELISA Kit; Angiopoietin-related protein 3; angiopoietin-like 3; ANG 5; ANG-5; ANG5; Angiopoietin 5; Angiopoietin like 3; Angiopoietin related protein 3; Angiopoietin-5; Angiopoietin-like protein 3; ANGL3_HUMAN; ANGPT5; ANL3; FHBL2; OTTHUMP00000010719; ANGPTL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse ANGPTL3
Sequence Length	455
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/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 between 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse ANGPTL3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ANGPTL3 elisa kit	Principle of the assay: mouse ANGPTL3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for ANGPTL3 has been precoated onto 96-well plates. Standards(sf21, S17-T455) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ANGPTL3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse ANGPTL3 amount of sample captured in plate. Background: ANGPTL3, also known as Angiopoietin-like 3 or HYPLI, is a protein that in humans is encoded by the ANGPTL3 gene. It is mapped to 1p31.3. The protein encoded by this gene is a member of the angiopoietin-like family of secreted factors. It is expressed predominantly in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-terminal coiled-coil domain, and the C-terminal fibrinogen (FBN)-like domain. ANGPTL3 also acts as dual inhibitor of lipoprotein lipase (LPL) and endothelial lipase (EL), and increases plasma triglyceride and HDL cholesterol in rodents. It can inhibit endothelial lipase to catalyze HDL-phospholipid and increase HDL-PL levels.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25008124
NCBI GeneID	30924
UniProt Accession #	Q9R182
Molecular Weight	52,543 Da
NCBI Official Full Name	Angiopoietin-related protein 3
NCBI Official Synonym Full Names	angiopoietin-like 3
NCBI Official Symbol	Angptl3
NCBI Official Synonym Symbols	hypl
NCBI Protein Information	angiopoietin-related protein 3; hypolipidemia; angiopoietin-like protein 3
UniProt Protein Name	Angiopoietin-related protein 3
UniProt Gene Name	Angptl3
UniProt Entry Name	ANGL3_MOUSE

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.