

Mouse CHI3L3 ELISA Kit | CHI3L3 elisa kit

Mouse CHI3L3 PicoKine ELISA Kit

CATALOG #
AAA125223

REACTIVITY
Mouse

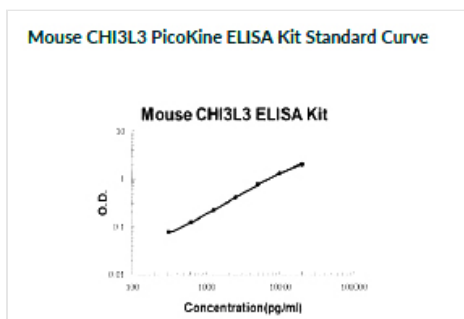
PRODUCT SYNONYMS

CHI3L3; Mouse CHI3L3 PicoKine ELISA Kit; Mouse CHI3L3; chitinase-like 3; Chitinase-like protein 3; Beta-N-acetylhexosaminidase Ym1; Chitinase-3-like protein 3; ECF-L; Eosinophil chemotactic cytokine; Secreted protein Ym1; Chil3; Chi3l3; Ym1; CHI3L3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Chil3
Sequence Length	398
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	312pg/ml-20000pg/ml
Sensitivity	<50pg/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 CHI3L3 elisa kit	Principle of the Assay: The Picokine™ Mouse Chil3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Chil3 with a 96-well strip plate that is pre-coated with antibody specific for Chil3. The detection antibody is a biotinylated antibody specific for Chil3. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Chil3 with immunogen: Expression system for standard: NSO, Immunogen sequence: Y22-Y398. The kit is analytically validated with ready to use reagents. To measure Mouse Chil3, 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 Chil3 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 Chil3 in the sample.!!Background/Introduction: Chitinase 3-like 3, also known as ECF-L and Ym1, is a secreted 377 amino acid lectin that binds heparin and GlcN oligomers. This gene is mapped to 3 F2.2; 3 46.49 Cm. CHI3L3 is produced primarily by macrophages during inflammation. ECF-L shares homology with chitinase family proteins, but lacks enzymatic activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	254281348
NCBI GeneID	12655
NCBI Accession #	NP_034022.2
NCBI GenBank Nucleotide #	NP_034022.2
UniProt Accession #	O35744
NCBI Official Full Name	chitinase-like protein 3
NCBI Official Synonym Full Names	chitinase-like 3
NCBI Official Symbol	Chil3
NCBI Official Synonym Symbols	Ym1; ECF-L; Chi3l3; AI505981
NCBI Protein Information	chitinase-like protein 3
UniProt Protein Name	Chitinase-like protein 3
UniProt Gene Name	Chil3
UniProt Synonym Gene Names	Chi3l3; Ym1
UniProt Entry Name	CHIL3_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/chi3l3/125223>