

Mouse YM1 (Chitinase 3-like 3) ELISA Kit | YM1 elisa kit

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CATALOG #
AAA277851

REACTIVITY
Mouse

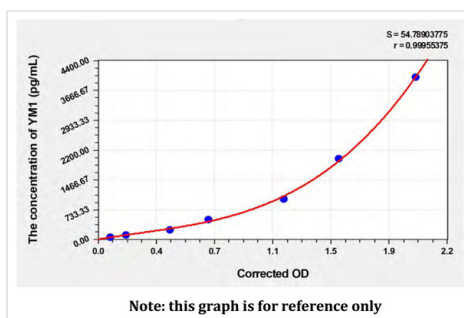
PRODUCT SYNONYMS

YM1 (Chitinase 3-like 3); Mouse YM1 (Chitinase 3-like 3) ELISA Kit; Chl3; Beta-N-acetylhexosaminidase Ym1; Chitinase-3-like protein 3; ECF-L; Eosinophil chemotactic cytokine; Secreted protein Ym1; YM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse YM1. No significant cross-reactivity or interference between Mouse YM1 and analogues was observed.
Assay Type	Sandwich
Detection Range	62.5-4000 pg/mL
Sensitivity	38.1 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for YM1 elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mouse YM1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse YM1. 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 Mouse YM1, 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 Mouse YM1 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	254281348
NCBI GeneID	12655
NCBI Accession #	NP_034022.2
NCBI GenBank Nucleotide #	NM_009892.3
UniProt Accession #	O35744; P70201; Q3U462; Q3UV87; Q61201
Molecular Weight	44,458 Da
NCBI Official Full Name	chitinase-like protein 3
NCBI Official Synonym Full Names	chitinase-like 3
NCBI Official Symbol	ChiI3
NCBI Official Synonym Symbols	Ym1; ECF-L; Chi3I3; AI505981
NCBI Protein Information	chitinase-like protein 3
UniProt Protein Name	Chitinase-like protein 3
UniProt Gene Name	ChiI3
UniProt Synonym Gene Names	Chi3I3; 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://www.aaabiotech.com/mouse-elisa-kits/ym1-chitinase-3-like-3/277851>