

Mouse anti-Human CHIT1 Monoclonal Antibody | anti-CHIT1 antibody

CHIT1 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268511	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CHIT1; Monoclonal Antibody; CHIT1 Mouse mAb; Chitotriosidase; CHI3; CHIT; FLJ00314; MGC125322; anti-CHIT1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1D9G2
Purity/Purification	Ascitic Fluid
Form/Format	Ascitic fluid containing 0.03% Sodium Azide.
Sequence Length	466
Applicable Applications for anti-CHIT1 antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of CHIT1 (aa22-137) expressed in E. Coli.
Conjugation	FITC
Cellular Localization	Lysosome, Secreted
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-CHIT1 antibody	CHIT1:chitinase 1 (chitotriosidase). Chitotriosidase is a 50 kDa secreted glycoprotein that belongs to glycohydrolase family # 18. It is secreted by activated human macrophages and is markedly elevated in plasma of Gaucher disease patients. The expression of chitotriosidase occurs only at a late stage of differentiation of monocytes to activated macrophages in culture. Human macrophages can synthesize a functional chitotriosidase, a highly conserved enzyme with a strongly regulated expression. This enzyme may play a role in the degradation of chitin-containing pathogens.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37999493
NCBI GeneID	1118
UniProt Accession #	Q13231
Molecular Weight	Predicted: 52 kDa
NCBI Official Full Name	Chitotriosidase-1

NCBI Official Synonym Full Names	chitinase 1
NCBI Official Symbol	CHIT1
NCBI Official Synonym Symbols	CHI3; CHIT; CHITD
NCBI Protein Information	chitotriosidase-1
UniProt Protein Name	Chitotriosidase-1
UniProt Gene Name	CHIT1
UniProt Entry Name	CHIT1_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/chit1-antibody-clone-1d9g2-flow-cytometry-immunocytochemistry-immunohistochemistry-western-blot-elisa/268511>