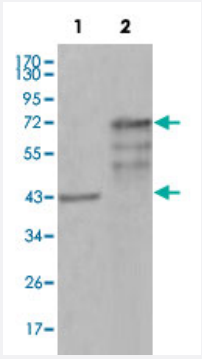
CHIT1 monoclonal antibody, clone 1D9G2

Catalog # MAB10472 Size 100 uL

Applications



Western Blot

Western blot analysis using CHIT1 monoclonal antibody, clone 1D9G2 (Cat # MAB10472) against truncated Trx-CHIT1 recombinant protein (1) and truncated CHIT1 (aa22-466)-hIgGFc transfected CHO-K1 cell lysate (2).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant CHIT1.
Immunogen	Recombinant protein corresponding to human CHIT1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1:500-1:2000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascitic (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CHIT1

Entrez GeneID	1118
Gene Name	CHIT1
Gene Alias	CHI3, CHIT, FLJ00314, MGC125322
Gene Description	chitinase 1 (chitotriosidase)
Omim ID	600031
Gene Ontology	Hyperlink
Gene Summary	Chitotriosidase is secreted by activated human macrophages and is markedly elevated in plasm a of Gaucher disease patients. The expression of chitotriosidase occurs only at a late stage of diff erentiation of monocytes to activated macrophages in culture. Human macrophages can synthesi ze a functional chitotriosidase, a highly conserved enzyme with a strongly regulated expression. T his enzyme may play a role in the degradation of chitin-containing pathogens. [provided by RefSe q
Other Designations	chitotriosidase|plasma methylumbelliferyl tetra-N-acetylchitotetraoside hydrolase

Pathway

- Amino sugar and nucleotide sugar metabolism

Disease

- Acute Disease
- Asthma
- Candidiasis
- Cardiovascular Diseases
- Chronic Disease
- Coronary Artery Disease
- Diabetes Mellitus
- Edema
- Elephantiasis
- Genetic Predisposition to Disease
- Gram-Negative Bacterial Infections
- Hypersensitivity
- Hypertension
- Leukemia
- Malaria
- Sepsis
- Tuberculosis