

CHIT1 rabbit monoclonal antibody

Catalog # H00001118-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CHIT1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CHIT1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CHIT1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CHIT1

Entrez GeneID	1118
GeneBank Accession#	CHIT1
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 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. [provided by RefSeq]
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](#)