

Chitotriosidase Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0337
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of Chitotriosidase (aa22-137) expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Chitotriosidase-1
Synonyms	CHIT1; Chitotriosidase-1; Chitinase-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. Several alternatively spliced transcript variants have been described for this gene.

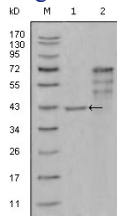
Recommended Dilution

ELISA: 1:10000

WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using Chitotriosidase Monoclonal antibody against truncated Trx-CHIT1 recombinant protein (1) and truncated CHIT1 (aa22-466)-hIgGFc transfected CHO-K1 cell lysate (2).

Storage

-20°C for one year