

Mouse anti-Human Mast Cell Chymase Monoclonal Antibody | anti-CMA1 antibody

Mast Cell Chymase (BSA & Azide Free)

CATALOG # AAA14660	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
------------------------------	----------------------	----------------------------	---

PRODUCT SYNONYMS

Mast Cell Chymase; Monoclonal Antibody; Mast Cell Chymase (BSA & Azide Free); Anti -Mast Cell Chymase (BSA & Azide Free); anti-CMA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3F258
Specificity	Recognizes human Mast Cell Chymase. Binding of this antibody to chymase is not reduced in the presence of heparin, suggesting that the antibody does not bind to the heparin-binding domain of chymase.
Purity/Purification	Purified by Protein G affinity chromatography.
Form/Format	Supplied as a liquid in 10mM PBS, pH 7.4. Also available with BSA and azide.
Concentration	1mg/ml (varies by lot)
Sequence	Notdetermi ned
Applicable Applications for anti-CMA1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Recommended Dilutions:Immunohistochemistry (Formalin/paraffin): 1:2000 for 20 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes. Optimal dilutions to be determined by the researcher.
Grade	Affinity Purified
Immunogen	Purified human skin chymase.
Cellular Localization	Cytoplasmic
Positive Control	Tonsil
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of formalin-fixed, paraffin-embedded human tonsil using AAA14660 and following by peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of mast cells.

ADDITIONAL INFORMATION

Related Product Information for anti-CMA1 antibody	Mast cells contain a number of preformed chemical mediators such as histamine, chymase, carboxypeptidase and proteolytic tryptase. A substantial quantity of chymase is estimated to be found in mast cells of skin and lung and suggests this enzyme plays a major role in mast cell mediated events. Human mast cell chymase is considered to be an important marker of mast cells as well as an important mediator of inflammation.
Product Categories/Family for anti-CMA1 antibody	Antibodies ; Abs to Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	180542
NCBI GeneID	1215
UniProt Accession #	P23946; Q16018; Q3SY36; Q9UDH5; B5BUM8; Q3SY37; Q4FEB3; Q4FEB5
NCBI Official Full Name	mast cell chymase
NCBI Official Synonym Full Names	chymase 1, mast cell
NCBI Official Symbol	CMA1
NCBI Official Synonym Symbols	CYH; MCT1; chymase; MGC119890; MGC119891
NCBI Protein Information	chymase; alpha-chymase; chymase, heart; OTTHUMP00000178751; chymase, mast cell; mast cell protease I; chymase 1 preproprotein transcript E; chymase 1 preproprotein transcript I
UniProt Protein Name	Chymase
UniProt Gene Name	CMA1
UniProt Synonym Gene Names	CYH; CYM
UniProt Entry Name	CMA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/mast-cell-chymase-antibody-clone-3f258-western-blot-immunohistochemistry-elisa/14660>