

ARG66019 anti-MCP5 / Mast cell chymase antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MCP5 / Mast cell chymase
Tested Reactivity	Ms
Tested Application	ELISA, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MCP5 / Mast cell chymase
Species	Mouse
Immunogen	E. coli derived recombinant Mouse MCP5. (GPDVAVSTPVT CCYNVVKQKI HVRKLKSYRR ITSSQCPREA VIFRTILDKE ICADPKKQWV KNSINHLDKT SQTFILEPSC LG)
Conjugation	Un-conjugated
Alternate Names	Chymase; Alpha-chymase; Mast cell protease I; chymase; CYH; EC 3.4.21.39; MCT1

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66020 as a detection antibody
	Neut	2.0 - 3.0 µg/ml (To yield [ND50] of the biological activity of mMCP-5 (100.00 ng/ml))
	WB	0.1 - 0.2 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 17228 Mouse](#)
[Swiss-port # P21844 Mouse](#)

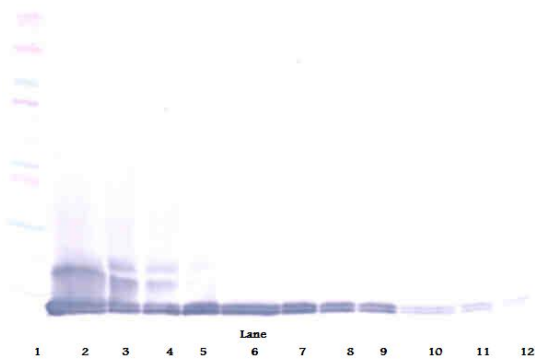
Gene Symbol Cma1
Gene Full Name chymase 1, mast cell

Background This gene encodes a chymotryptic serine proteinase that belongs to the peptidase family S1. It is expressed in mast cells and is thought to function in the degradation of the extracellular matrix, the regulation of submucosal gland secretion, and the generation of vasoactive peptides. In the heart and blood vessels, this protein, rather than angiotensin converting enzyme, is largely responsible for converting angiotensin I to the vasoactive peptide angiotensin II. Alternative splicing results in multiple variants. [provided by RefSeq, Apr 2015]

Function Major secreted protease of mast cells with suspected roles in vasoactive peptide generation, extracellular matrix degradation, and regulation of gland secretion. [UniProt]

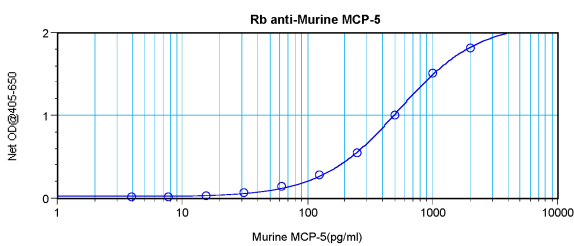
Calculated Mw 27 kDa

Images



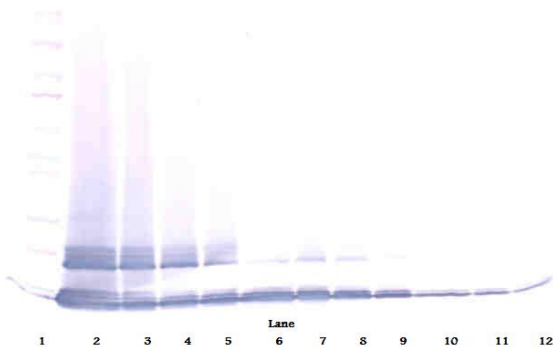
ARG66019 anti-MCP5 / Mast cell chymase antibody WB image

Western blot: 250 - 0.24 ng of Mouse MCP-5 stained with ARG66019 anti-MCP5 / Mast cell chymase antibody, under reducing conditions.



ARG66019 anti-MCP5 / Mast cell chymase antibody standard curve image

Sandwich ELISA: ARG66019 anti-MCP5 / Mast cell chymase antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG66020 anti-MCP5 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66019 anti-MCP5 / Mast cell chymase antibody WB image

Western blot: 250 - 0.24 ng of Mouse MCP-5 stained with ARG66019 anti-MCP5 / Mast cell chymase antibody, under non-reducing conditions.