

**ARG62541**  
**anti-MCP5 / Mast cell chymase antibody [CC1]**

Package: 100 µl

Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [CC1] recognizes MCP5 / Mast cell chymase
Tested Reactivity	Hu, Rat, Pig
Tested Application	FACS, IHC-Fr, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	CC1
Isotype	IgG1
Target Name	MCP5 / Mast cell chymase
Species	Human
Immunogen	Purified human skin Chymase
Conjugation	Un-conjugated
Alternate Names	Chymase; Alpha-chymase; Mast cell protease I; chymase; CYH; EC 3.4.21.39; MCT1

### Application Instructions

Application Note	FACS: 1-2µg for 106 cells IHC: 1/100-1/200 * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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### Properties

Form	Liquid
Purification	Immunogen affinity purified
Buffer	PBS, 1% BSA and 0.05% Sodium azide
Preservative	0.05% Sodium azide
Stabilizer	1% BSA
Concentration	0.2 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	<a href="#">GeneID: 1215 Human</a> <a href="#">GeneID: 25627 Rat</a> <a href="#">Swiss-port # P23946 Human</a> <a href="#">Swiss-port # P50339 Rat</a>
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]
Research Area	Cell Biology and Cellular Response antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	27 kDa
Cellular Localization	Secreted, Cytoplasmic granule