Mast Cell Chymase Conjugated Antibody

Catalog No: #C49801

Package Size: #C49801-AF350 100ul #C49801-AF405 100ul #C49801-AF488 100ul #C49801-AF555 100ul #C49801-AF594 100ul #C49801-AF647 100ul #C49801-AF680 100ul #C49801-AF750 100ul #C49801-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Mast Cell Chymase Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Alpha-chymase antibody Chymase 1 antibody Chymase 1 mast cell antibody chymase 1 preproprotein transcript E antibody chymase 1 preproprotein transcript I antibody Chymase antibody Chymase, heart antibody Chymase, mast cell antibody CMA1 antibody CMA1_HUMAN antibody CYH antibody CYM antibody EC 3.4.21.39 antibody Mast cell chymase 1 antibody Mast cell protease 3 antibody Mast cell protease 5 antibody Mast cell protease I antibody Mast cell protease III antibody Mcp-5 antibody MCP3P antibody Mcpt5 antibody MCT1 antibody MGC119890 antibody MGC119891 antibody MMCP-5 antibody
Accession No.	Swiss-Prot#:P23946
Uniprot	P23946
GeneID	1215;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	27kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Mast cells are connective tissue cells derived from blood-forming tissues that line arterial walls and secrete substances, which mediate inflammatory and immune responses. Mast Cell Chymase, also known as CMA1 or MCT1, is a major secreted serine protease that is involved in vasoactive peptide generation, extracellular matrix degradation and regulation of gland secretion. The human chymase gene, which maps to human chromosome 14q11.2, encodes a preproenzyme with a 19 amino acid signal peptide, an acidic 2 amino acid propeptide and a 226 amino acid catalytic domain. Mast Cell Chymase is a chymotryptic serine proteinase which is a member of the peptidase family S1. Expressed in mast cells, Mast Cell Chymase is associated with the degradation of the extracellular matrix, the regulation of submucosal gland secretion, and the generation of vasoactive peptides. Mast cell proteases are a family of rodent protein homologs to human tryptases that are specifically expressed in mast cells and may serve as highly specific markers in the analysis of mast cell heterogeneity, differentiation and function. Mast Cell Protease 1, also designated Mcp-1 or Mcpt1, is a rodent specific beta-chymase. The mouse and rat Mast Cell Protease 1 proteins share 76% sequence identity at the amino acid level.

Note: This product is for in vitro research use only