

CPA3 MC-CPA Antibody FITC Conjugated

Catalog No: #C01917F

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	CPA3 MC-CPA Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human CPA3 MC-CPA
Conjugates	FITC
Target Name	CPA3 MC-CPA
Other Names	carboxypeptidase A; Carboxypeptidase A3; carboxypeptidase A3 mast cell; CBPA3_HUMAN; Cpa3; Mast cell carboxypeptidase A; mast cell carboxypeptidase A3; MC CPA; MC-CPA.
Accession No.	NCBI Gene ID1359
Uniprot	P15088
GeneID	1359;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

Carboxypeptidase A (CPA) is a pancreatic exopeptidase which hydrolyses the peptide bond adjacent to the C-terminal end in polypeptide chains. Mast cell carboxypeptidase A (MC-CPA), a part of the peptidase M14 family, is a highly conserved metalloprotease localized to the secretory granules, along with tryptases and chymases. MC-CPA is stored as an active enzyme in the granule and is released, along with other inflammatory mediators, upon mast cell degranulation. MC-CPA mirrors pancreatic carboxypeptidase A in cleaving COOH-terminal aromatic and aliphatic amino acid residues. The optimum pH of MC-CPA is between neutral and basic, depending upon the substrate. The MC-CPA gene, CPA3, resides on chromosome 3 and contains 11 exons.

Note: This product is for in vitro research use only