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Tryptase delta Rabbit pAb

Catalog # AP99577

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BZJ3
Other Accession	Q9BZJ3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26584
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Tryptase delta
Epitope Specificity	1-100/242
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase S1 family. Tryptase subfamily. Contains 1 peptidase S1 domain.
SUBUNIT	Homotetramer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. These genes are characterized by several distinct features. They have a highly conserved 3' UTR and contain tandem repeat sequences at the 5' flank and 3' UTR which are thought to play a role in regulation of the mRNA stability. Although this gene may be an exception, most of the tryptase genes have an intron immediately upstream of the initiator Met codon, which separates the site of transcription initiation from protein coding sequence. This feature is characteristic of tryptases but is unusual in other genes. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. This gene was once considered to be a pseudogene, although it is now believed to be a functional gene that encodes a protein. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	23430
Other Names	TRYD_HUMAN; TPSD1; Delta-tryptase; HmMCP-3-like tryptase III; Mast cell mMCP-7-like; Tryptase-3; 3.4.21.59; MCP7-LIKE; MCP7L1; MMCP-7L; tryptase delta 1; mMCP-7-like II; mMCP-7-like I; MMCP-7-LIKE-2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TPSD1
Function	Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type.
Cellular Location	Secreted. Note=Released from the secretory granules upon mast cell activation.
Tissue Location	Expressed in colon, lung, heart and synovial tissue. May be specific to mast cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.