



Anti-PRSS22 monoclonal antibody, clone 357804 [Biotin] (DCABY-4308)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description Tryptases are serine proteases with trypsin-like specificity. Together with chymases and Cathepsin G, tryptases are important players in mast cell mediation of inflammatory and allergic responses. Tryptase beta-1, also known as mast cell protease 7 (MCPT7), exhibits anticoagulant activity due to its ability to degrade fibrinogen in the presence of a diverse array of protease inhibitors in plasma. Tryptase epsilon, also known as brain-specific serine protease 4 (BSSP-4) and brain serine protease 2 (BSP-2), is encoded by the PRSS22 gene and preferentially expressed in epithelium-rich tissues such as lung and eye. Tryptase gamma-1, also called transmembrane tryptase, is encoded by TPSG1, one of many serine protease genes clustered on human chromosome 16p13.3.

Specificity	Detects mouse Tryptase epsilon/BSSP-4 in ELISAs.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Tryptase epsilon/BSSP-4. Ala33-Ser306 Accession Number Q9ER10
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	357804
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Biotin
Applications	ELISA Detection (Matched Pair)
Format	Liquid

Size	250 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Prss22 protease, serine 22 [Mus musculus (house mouse)]
Official Symbol	PRSS22
Synonyms	PRSS22; protease, serine 22; BSSP-4; SP001LA; 4733401N09Rik; brain-specific serine protease 4; tryptase epsilon; serine protease 22; serine protease 26; protease, serine, 22;
Entrez Gene ID	70835
Protein Refseq	NP_598492
UniProt ID	Q7TML0
Chromosome Location	17 A3.3; 17 12.18 cM
Function	catalytic activity; hydrolase activity; peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;