



# Anti-PRSS22 monoclonal antibody, clone 357803 (DCABY-4254)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Specificity</b>	Detectsmouse Tryptase epsilon/BSSP-4inELISAs.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Tryptase epsilon/BSSP-4 . Ala33-Ser306 Accession Number Q9ER10
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	357803
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Capture (Matched Pair)
<b>Format</b>	Liquid

<b>Size</b>	500 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	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

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