



20150116ML

Anti-Mouse Tryptase-epsilon (#9J15)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M499
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of Tryptase-e.

Target Background

Synonyms (Target):	Prss22; BSSP-4; SP001LA; 4733401N09Rik
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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.

Database References Target

Protein RefSeq:	NP_598492.2
Uniprot ID:	Q9ER10
mRNA RefSeq:	NM_133731

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#9J15)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	Mouse recombinant protein Tryptase-epsilon
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse Tryptase-epsilon with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:250-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!