Mouse Tryptase-5/Prss32 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF2634

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Tryptase-5/Prss32 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human Tryptase-G1, recombinant mouse (rm) MCPT-6, and rmMCPT-7 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Tryptase-5/Prss32 Ser20-Arg304 Accession # NP_081496
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse Tryptase-5/Prss32 (Catalog # 2634-SE)
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Mouse Tryptase-5/Prss32 (Catalog # 2634-SE), see our available Western blot detection antibodies
Neutralization	Measured by its ability to neutralize Recombinant Mouse Tryptase-5/Prss32 (2 µg/mL, Catalog # 2634-SE) cleavage of the fluorogenic peptide substrate Z-R-SBzl (100 µM). The Neutralization Dose (ND_{50}) is typically 24.3 µg/mL.	

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & 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.

BACKGROUND

Tryptase-5 is encoded by Prss32, one of 13 genes on mouse chromosome 17A3.3 that correspond to functional trypsin-like serine proteases (1). The deduced amino acid sequence of mouse Tryptase-5 consists of 331 residues with a signal peptide (residues 1 to 19), a pro region (residue 20 to 53), a catalytic domain (54 to 304), and a C-terminal hydrophobic peptide (residues 305 to 331). The mRNA is expressed in smooth muscle, eye, stomach, uterus and lymph node. Apparently, Prss32 does not seem to have a counterpart in the human genome.

References:

1. Wong, G. W. *et al.* (2004) J. Biol. Chem. **279**:2438.

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