

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Trypsin 3 in direct ELISAs and Western blots. In direct ELISAs, approximately 20% cross-reactivity with recombinant human (rh) Trypsin 1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Trypsin 3 Phe16-Asn246 Accession # NP_035775
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.

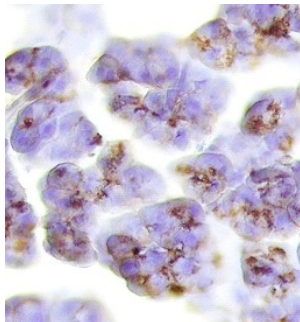
APPLICATIONS

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 Trypsin 3/PRSS3 (Catalog # 3565-SE)
Immunohistochemistry	5-15 µg/mL	See Below
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Mouse Trypsin 3/PRSS3 (Catalog # 3565-SE), see our available Western blot detection antibodies

DATA

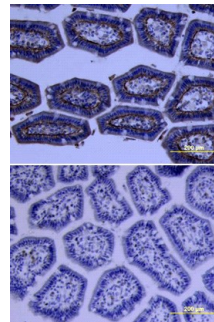
Immunohistochemistry



Trypsin 3/PRSS3 in Mouse Pancreas.

Trypsin 3/PRSS3 was detected in perfusion fixed frozen sections of mouse pancreas using 5 µg/mL Goat Anti-Mouse Trypsin 3/PRSS3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3565) overnight at 4 °C. Tissue was stained with the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

Immunohistochemistry



Trypsin 3/PRSS3 in Mouse Pancreas. Trypsin 3/PRSS3 was detected in perfusion fixed frozen sections of mouse pancreas using Mouse Trypsin 3/PRSS3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3565) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

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. <ul style="list-style-type: none"> ● 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

Mouse Trypsin 3, encoded by the PRSS3 gene, is also known as mesotrypsin. It consists of a signal peptide (residues 1-15), a pro region (residues 16-23), and a mature chain (residues 24-246) (1). The purified recombinant mouse Trypsin 3 corresponds to the pro form, which can be activated by enterokinase.

References:

1. Halfon, S. *et al.* (2004) in *Handbook of Proteolytic Enzymes* (ed. Barrett, A.J. *et al.*) pp. 1483, Academic Press, San Diego.