Human Tryptase α/TPS1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 274001

Catalog Number: MAB2370

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Tryptase α/TPS1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 50-100% cross-reactivity with recombinant human (rh) Tryptase β2 and no cross-reactivity with rhTryptase γ1 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 274001
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Tryptase α/TPS1 Ile31-Pro275 Accession # AAA86934
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	1 µg/mL	Recombinant Human Tryptase α/TPS1
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human Tryptase α/TPS1, see our available Western blot detection antibodies

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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 α is a neutral serine protease that is enriched in mast cell granules. It has a unique Asp residue in the substrate-binding region and has either very restricted specificity or no protease activity at all.

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