**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 IgG2B 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.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Recommended Concentration</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>1 μg/mL Recombinant Human Tryptase α/TPS1</td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td>25 μg/mL Conditioned cell culture medium spiked with Recombinant Human Tryptase α/TPS1, see our available Western blot detection antibodies</td>
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</table>

**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.