**DESCRIPTION**

**Species Reactivity** Mouse

**Specificity** Detects mouse TSLP in Western blots.

**Source** Monoclonal Rat IgG2A Clone # 152614

**Purification** Protein A or G purified from hybridoma culture supernatant

**Immunogen** S. frugiperda insect ovarian cell line Sf 21-derived recombinant mouse TSLP

**Accession #** Q9JIE6

**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.*

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**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>Recommended Concentration</th>
<th>Sample</th>
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<tr>
<td>1 μg/mL</td>
<td>Recombinant Mouse TSLP (Catalog # 555-TS) under non-reducing conditions only</td>
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**Neutralization**

Neutralization is measured by its ability to neutralize TSLP-induced proliferation in the BaF3 mouse pro-B cell line transfected with mouse IL-7 Rα. Park, L.S. et al. (2000) J. Exp. Med. 192:659. The Neutralization Dose (ND50) is typically 0.1-0.4 μg/mL in the presence of 7.5 ng/mL Recombinant Mouse TSLP.

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**DATA**

**Cell Proliferation Induced by TSLP and Neutralization by Mouse TSLP Antibody.**

Recombinant Mouse TSLP (Catalog # 555-TS) stimulates proliferation in the BaF3 mouse pro-B cell line transfected with mouse IL-7 Rα in a dose-dependent manner (orange line). Proliferation elicited by Recombinant Mouse TSLP (7.5 ng/mL) is neutralized (green line) by increasing concentrations of Mouse TSLP Monoclonal Antibody (Catalog # MAB555). The ND50 is typically 0.1-0.4 μg/mL.

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**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.

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**BACKGROUND**

TSLP is an IL-7 related cytokine secreted by multiple tissues. It interacts with the heterodimeric receptor complex consisting of IL-7 Rα and TSLP R. Mouse TSLP stimulates the growth of thymocytes and mature T cells and also supports B cell lymphopoiesis.