

**DESCRIPTION**

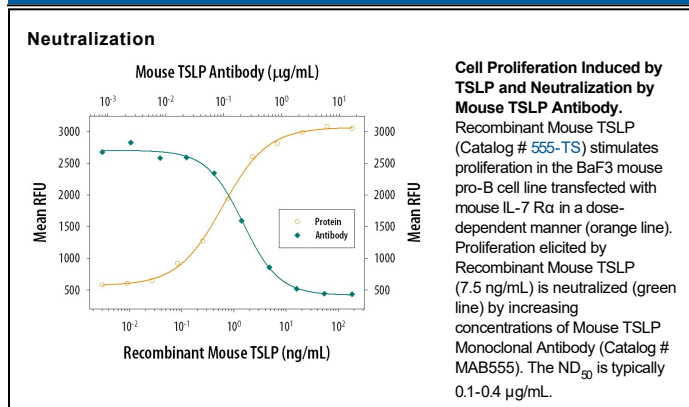
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse TSLP in Western blots.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 152614
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse TSLP Tyr20-Glu140 Accession # Q9JIE6
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	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
<b>Western Blot</b>	1 µg/mL	Recombinant Mouse TSLP (Catalog # 555-TS) under non-reducing conditions only
<b>Neutralization</b>		Measured by its ability to neutralize TSLP-induced proliferation in the BaF3 mouse pro-B cell line transfected with mouse IL-7 Ra. Park, L.S. et al. (2000) J. Exp. Med. <b>192</b> :659. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.1-0.4 µg/mL in the presence of 7.5 ng/mL Recombinant Mouse TSLP.

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

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