

DESCRIPTION

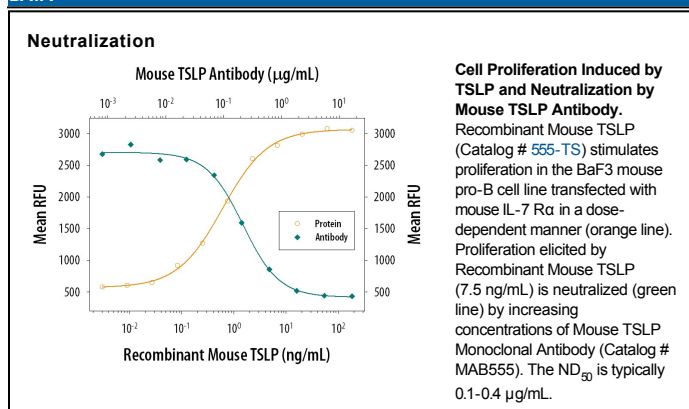
Species Reactivity	Mouse
Specificity	Detects mouse TSLP in Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 152614
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse TSLP Tyr20-Glu140 Accession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

DATA



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. <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

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