

DESCRIPTION

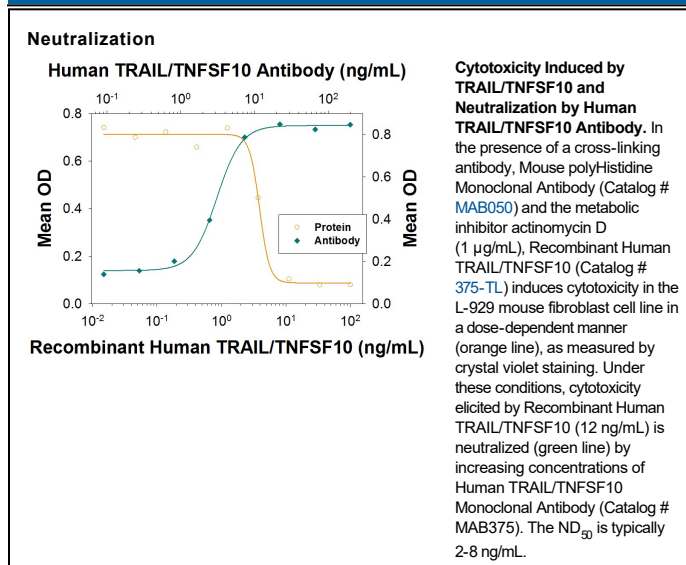
Species Reactivity	Human
Specificity	Detects human TRAIL/TNFSF10 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 75411
Purification	Protein A or G purified from ascites
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TRAIL/TNFSF10 Thr95-Gly281 Accession # P50591
Endotoxin Level	<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.

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
Immunohistochemistry	8-25 µg/mL	Immersion fixed paraffin-embedded sections of human brain (occipital cortex)
Neutralization		Measured by its ability to neutralize TRAIL/TNFSF10-induced cytotoxicity in the L-929 mouse fibroblast cell line. The Neutralization Dose (ND ₅₀) is typically 2-8 ng/mL in the presence of 12 ng/mL Recombinant Human TRAIL/TNFSF10, a cross-linking antibody, Mouse polyHistidine Monoclonal Antibody, and 1 µg/mL actinomycin D.

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

TRAIL is a type II transmembrane protein belonging to the TNF superfamily and is now designated TNFSF10. TRAIL is active as a homotrimer and is produced by a variety of cell types in both the membrane bound form and also as a soluble molecule. It binds to any of the four TRAIL receptors as well as to Osteoprotegerin.