Mouse Lymphotoxin βR/TNFRSF3 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF1008

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Lymphotoxin βR/TNFRSF3 in direct ELISA and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) LTβ R is observed, and less than 1% cross-reactivity with recombinant mouse (rm) 4-1BB, rmCD27, rmOPG, rmRANK, rmCD30, rmCD40, rhDR6, rmTNF RI, rmTNF RII, rmEDAR, rmFas and rmGITR is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Lymphotoxin βR/TNFRSF3 Ser28-Pro218 Accession # P50284
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.

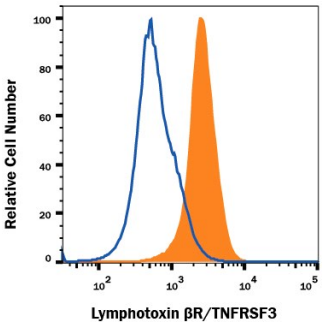
APPLICATIONS

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	0.1 µg/mL	Recombinant Mouse Lymphotoxin βR/TNFRSF3
Flow Cytometry	0.25 µg/10^6 cells	See Below
Immunohistochemistry	5-15 µg/mL	Perfusion fixed frozen sections of mouse thymus
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Flow Cytometry



Detection of Lymphotoxin βR/TNFRSF3 in NIH-3T3 Mouse Cell Line by Flow Cytometry. NIH-3T3 mouse embryonic fibroblast cell line was stained with Goat Anti-Mouse Lymphotoxin βR/TNFRSF3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1008, filled histogram) or isotype control antibody (Catalog # AB-108-C, open histogram), followed by Phycoerythrin-conjugated Anti-Goat IgG Secondary Antibody (Catalog # F0107). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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

Lymphotoxin βR is a member of the TNF receptor superfamily and is now designated TNFRSF3. Lymphotoxin βR transduces signals following binding of LIGHT or the heterotrimeric Lymphotoxins LTα1/β2 or LTα2/β1. It plays a critical role in controlling cellular immune functions and lymphoid organogenesis.

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