

Mouse TNF RII/TNFRSF1B Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF-426-PB

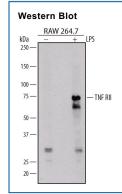
Species Reactivity Mouse Specificity Detects mouse TNF RII in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant (rh) TNF RII is observed and less than 1% cross-reactivity with recombinant mouse (rm) CD27, rmGITR, rhDR6, rmCD30, rmCD4 rmEDAR, rmFas, rmOPG, rmRANK, and rmTNF RI is observed. Source Polyclonal Goat IgG Purification Antigen Affinity-purified Immunogen E. coli-derived recombinant mouse TNF RII/TNFRSF1B Val23-Gly258 Accession # P25119			
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Immunogen E. coli-derived recombinant mouse TNF RII/TNFRSF1B Val23-Gly258	Polyclonal Goat IgG		
Val23-Gly258			
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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.	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.		

APPLICATIONS

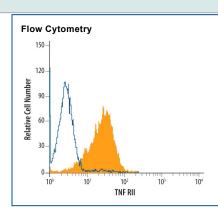
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.2 μg/mL	See Below
Flow Cytometry	2.5 μg/10 ⁶ cells	See Below
Immunocytochemistry	5-15 μg/mL	Immersion fixed mouse splenocytes

DATA



Detection of Mouse TNF RII/TNFRSF1B by Western Blot. Western blot shows lysates of RAW 264.7 mouse monocyte/macrophage cell line untreated (-) or treated (+) with 1 µg/mL LPS for 24 hours. PVDF membrane was probed with 0.2 µg/mL of Goat Anti-Mouse TNF RII/TNFRSF1B Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-426-PB) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for TNF RII/TNFRSF1B at approximately 75 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



Detection of TNF RII/TNFRSF1B in L-929 Mouse Cell Line by Flow Cytometry.
L-929 mouse fibroblast cell line was stained with Goat Anti-Mouse TNF RII/TNFRSF1B Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-426-PB, filled histogram) or control antibody (Catalog # AB-108-C, open histogram), followed by Allophycocyanin-conjugated Anti-Goat IgG Secondary Antibody (Catalog # F0108).

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.

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

Two types of soluble TNF receptors have been identified in human serum and urine which can neutralize the biological activities of TNF-α and TNF-β. These binding proteins represent truncated forms of the two types of high-affinity cell surface receptors for TNF (TNFR-p60 Type B and TNFR-p80 Type A). Soluble TNF RII corresponds to TNFR-p80 Type A. In the new TNF superfamily nomenclature, TNF RII is referred to as TNFRSF1B. These apparent soluble forms of the receptors appear to arise as a result of shedding of the extracellular domains of the membrane-bound receptors. Normal concentrations as high as 4 ng/mL are found in the serum of healthy individuals, and even higher levels may be found in some pathological conditions. Although the physiological role of these proteins is not known, it has been speculated that shedding of the soluble receptors in response to TNF release could serve as a mechanism to scavenge the TNF not immediately bound and thus localize the inflammatory response. It is also possible that the pool of TNF bound to soluble receptors could represent a reservoir for the controlled release of TNF.

