

# CD120b (TNF Receptor II) Monoclonal Antibody (TR75-54), eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Armenian hamster / IgG
Class	Monoclonal
Type	Antibody
Clone	TR75-54
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_1257205

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Flow Cytometry (Flow)	Assay-Dependent	2 Publications
ELISA (ELISA)	1-4 µg/mL	-
Immunoprecipitation (IP)	Assay-Dependent	-
Functional Assay (FN)	Assay-Dependent	-

## Product Specific Information

Description: The TR75-54 monoclonal antibody reacts with mouse Tumor Necrosis Factor Receptor II (TNFR II, TNFR-p80, TNFRSF1B, CD120b). TNFR II is expressed in a variety of cell types and strongly expressed on stimulated T and B lymphocytes. TNFR II is the main TNF receptor found on circulating T cells and is the major mediator of autoregulatory apoptosis in CD8+ cells. The soluble TNF receptors are truncated forms of cell surface receptors with neutralizing activity on both TNF-alpha and TNF-beta. It has been suggested that the proinflammatory and immunosuppressive properties of TNF segregate at the level of its receptors and that the pool of TNF bound to soluble receptors could represent a reservoir to control the TNF release.

Applications Reported: This TR75-54 antibody has been reported for use in flow cytometric analysis, immunoprecipitation, immunoblotting (WB), and ELISA.

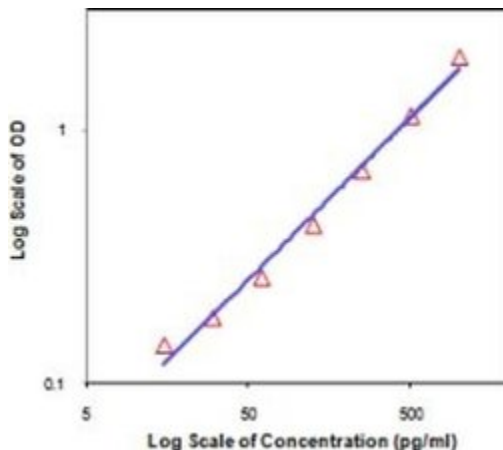
Applications Tested: The TR75-54 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of mouse TNFR II in combination with the biotin TR75-32 (cat. 13-1204) antibody for detection and recombinant mouse TNFR II as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/mL - 8 pg/mL should be included in each ELISA plate.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD120b (TNF Receptor II) Monoclonal Antibody (TR75-54), eBioscience™



**CD120b (TNF Receptor II) Antibody (14-1203-81) in ELISA**  
Standard curve of Mouse CD120b (TNF Receptor II) ELISA.

## 2 References

### Flow Cytometry (2)

Nature immunology

#### Costimulation via the tumor-necrosis factor receptor superfamily couples TCR signal strength to the thymic differentiation of regulatory T cells.

"14-1203 was used in Flow cytometry/Cell sorting to study the role of TNF receptors in the thymic development of Treg cells.."

Authors: Mahmud SA, Manlove LS, Schmitz HM, Xing Y, Wang Y, Owen DL, Schenkel JM, Boomer JS, Green JM, Yagita H, Chi H, Hogquist KA, Farrar MA

Species  
Mouse

Dilution  
Not Cited

Year  
2014

Nature communications

#### Effector lymphocyte-induced lymph node-like vasculature enables naive T-cell entry into tumours and enhanced anti-tumour immunity.

"14120381 was used in flow cytometry to find that lymph node-like vasculature in melanoma and lung carcinoma murine models is both a consequence of and key contributor to anti-tumor immunity"

Authors: Peske JD, Thompson ED, Gemta L, Baylis RA, Fu YX, Engelhard VH

Species  
Mouse

Dilution  
Not Cited

Year  
2015

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