

# Mouse CD120b (TNFR2) Antibody

DyLight® 488

Monoclonal Antibody

## Product Information

**Product No.:** T627  
**Clone:** TR75-54.7  
**RRID:** AB\_2832074  
**Isotype:** Armenian Hamster IgG  
**Storage:** Sterile 2-8°C

## Product Description

### Specificity:

Armenian Hamster Anti-Mouse Tumor Necrosis Factor Receptor II (TNF RII) (Clone TR75-54.7) recognizes an epitope on Mouse TNF RII. This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

### Background:

Tumor necrosis factor receptor II (TNF-RII) or CD120b is a 75kD type I transmembrane protein present on most cell types at low levels<sup>1</sup> including endothelial cells, cardiac myocytes and prostate cells<sup>2</sup>; the expression is upregulated upon activation. This receptor binds both TNF- $\alpha$  & TNF- $\beta$  (aka. LT- $\alpha$ ). In association with TRAF1 and TRAF2, the receptor crosslinking induced by TNF- $\alpha$  or LT- $\alpha$  trimers is critical for signal transduction, leading to apoptosis, NF- $\kappa$ B activation, increased expression of proinflammatory genes, tumor necrosis, and cell differentiation depending on cell type and differentiation state. The TR75-54.7 antibody has been shown to block ligand-induced receptor signaling.

### Known Reactivity Species:

Mouse

### Format:

DyLight® 488

### Immunogen:

E. coli -expressed mouse Type II TNFR

### Formulation

This DyLight® 488 conjugate is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

### Storage and Stability

This DyLight® 488 conjugate is stable when stored at 2-8°C. Do not freeze.

### Country of Origin

USA

### References

1. Zuckerman, KS. *et al.* (1998) *Cancer Res.* 58: 2217
2. Chan, FKM. *et al.* (2000) *Science* 288:2351
3. Loetscher, H. *et al.* (1990) *Cell* 61:351
4. Rothe, J. *et al.* (1993) *Nature* 364:798