

**TNFRSF1B Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9463b****Specification**

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**TNFRSF1B Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P20333](#)**TNFRSF1B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 7133**Other Names**

Tumor necrosis factor receptor superfamily member 1B, Tumor necrosis factor receptor 2, TNF-R2, Tumor necrosis factor receptor type II, TNF-RII, TNFR-II, p75, p80 TNF-alpha receptor, CD120b, Etanercept, Tumor necrosis factor receptor superfamily member 1b, membrane form, Tumor necrosis factor-binding protein 2, TBP-2, TBPII, TNFRSF1B, TNFBR, TNFR2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TNFRSF1B Antibody (C-term) Blocking Peptide - Protein Information****Name** TNFRSF1B**Synonyms** TNFBR, TNFR2**Function**

Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.

**Cellular Location**

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Tumor necrosis factor-binding protein 2]: Secreted

**TNFRSF1B Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **TNFRSF1B Antibody (C-term) Blocking Peptide - Images**

#### **TNFRSF1B Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways.

#### **TNFRSF1B Antibody (C-term) Blocking Peptide - References**

Potter, C., et al. Pharmacogenet. Genomics 20(5):338-341(2010) Dhiman, N., et al. Immunogenetics 62(4):197-210(2010) Dickinson, A.M., et al. Haematologica (2010) In press Davila, S., et al. Genes Immun. (2010) In press Cheng, X., et al. J. Alzheimers Dis. 19(2):621-630(2010)