Anti-Human TNFSF1B (#7U9)

20150217ML

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**101-M679**
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with Human TNFSF1B recombinant protein (also called TNF-b)

Target Background

Synonyms (Target):	TNFSF1B

TNF-beta, also known as lymphotoxin-alpha (LTalpha) and TNF-alpha are two structurally and functionally related proteins that bind to the same cell surface receptors (TNF RI and TNF RII) and produce a vast range of similar, but not identical effects. Mature TNF-beta/LTalpha and TNF-alpha share approximately 35% protein sequence homology, and the biologically active secreted forms of both proteins are trimers. Human and mouse TNF-beta/LTalpha share approximately 74% homology in their amino acid sequence and exhibit cross-species activity. Soluble TNF-beta/LTalpha is a homotrimer in solution. Secreted TNF-beta/LTalpha also complexes with the membrane associated LTbeta/TNFSF3 to generate two types of heterotrimers, LTalpha1/beta2 and LTalpha2/beta1.

Database References Target

Protein RefSeq:	NP_000586.2
Uniprot ID:	P01374
mRNA RefSeq:	NM_000595.3

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#7U9)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human TNFSF1B
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human TNFSF1B.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

WB, IHC (F), N

Recommended usage:

IHC (paraffine): 1:20 - 1:100

WB: Use at 1:500-1000

Neutralization of TNFSF1B bioactivity: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!