

Datasheet for ABIN2191887
anti-TNFRSF1B antibody[Go to Product page](#)

1 Publication

Overview

Quantity:	100 µg
Target:	TNFRSF1B
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF1B antibody is un-conjugated
Application:	Flow Cytometry (FACS), Functional Studies (Func), Immunoassay (IA)

Product Details

Clone:	80M2
Isotype:	IgG1
Cross-Reactivity (Details):	Cross reactivity: Rat : Yes
Sterility:	0.2 µm filtered

Target Details

Target:	TNFRSF1B
Alternative Name:	Tnf-Rii (TNFRSF1B Products)
Background:	The monoclonal antibody 80M2 recognizes the extracellular part of membrane-bound TNF-RII as well as the soluble form of TNF-RII which is generated by proteolytic cleavage of the extracellular domain. The soluble form can still bind TNF-alpha with high affinity and functions as a TNF-alpha antagonist. TNF-alpha is an important signaling protein in the immune system

Target Details

which can activate inflammatory responses, induce apoptosis, regulate cellular proliferation, and may even promote cancer progression. TNF-alpha can bind to two structurally distinct membrane receptors, TNF-RI and TNF- RII, which have both distinct and overlapping downstream signaling cascades. TNFRI is believed to be expressed on nearly all cell types, whereas TNFRII exhibits more restricted expression, being found on certain subpopulations of immune cells and several other cell types. A dominant role of TNF- RII has been shown in thymocyte activation by TNF-alpha, whereas induction of cytotoxicity and other functions are mediated largely by TNF-RI. TNF-RI is equally well activated by both the 17 kDa soluble and 26 kDa membrane-bound form, whereas TNF-RII is activated only by the membrane bound form of TNF-alpha. The antibody is a non-agonistic receptor modulating antibody. It enhances in vitro TNF alpha responses by increasing the affinity of the soluble form of TNF-alpha for TNF-RII. Aliases Tumor necrosis factor receptor superfamily member 1B, CD120b, TNF-R2, p75, p80 TNF-alpha receptor

Pathways: [NF-kappaB Signaling](#), [Apoptosis](#), [Cellular Response to Molecule of Bacterial Origin](#), [Hepatitis C](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: For immunofluorescence and flow cytometry, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50. For functional studies, dilutions have to be optimized in user's experimental setting. 1

Restrictions: For Research Use only

Handling

Buffer: PBS, containing 0.1 % bovine serum albumin.

Storage: 4 °C

Storage Comment: Product should be stored at 4 °C. Under recommended storage conditions, product is stable for at least one year. The exact expiry date is indicated on the label.

Publications

Product cited in: Scherübl, Schneider-Brachert, Schütze, Hehlhans, Männel: "Colocalization of endogenous TNF with a functional intracellular splice form of human TNF receptor type 2." in: **Journal of inflammation (London, England)**, Vol. 2, pp. 7, (2005) ([PubMed](#)).

