CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	TNF-RII, Human, pAb		
Catalog number	HP9003-20UG		
Lot number	-	**Expiry date**	-
Volume	200 µl	**Amount**	20 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA	**Concentration**	100 µg/ml
Host Species	Rabbit IgG	**Conjugate**	None
Endotoxin	<24 EU/mg	**Purification**	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes				•	•	•	•	•
No								
N.D.	•	•	•					

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

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.

- FS: For functional studies, *in vitro* dilutions have to be optimized in user's experimental setting. Antibody reactivity with cell bound or soluble TNF-RII is not inhibited by high concentrations of human TNFα.

General Information

Description The polyclonal antibody recognizes the extracellular part of the human Tumor Necrosis Factor Receptor type 2 (TNF-RII) of the membrane-bound as well as the soluble receptor. TNF-RII (~75-80 kDa) is present on most cell types and is considered to play a prominent role in cell stimulation by TNF-alpha. TNF-alpha activates inflammatory responses, induces apoptosis, regulates cellular proliferation, and may even promote cancer progression. The effects of TNF-alpha are mediated by TNF-RI and TNF-RII, which have both distinct and overlapping downstream signaling cascades. Induction of cytotoxicity and other functions are mediated largely via TNF-RI. TNF-RI is equally well activated by both the 17 kDa soluble and 26 kDa membrane-bound form, whereas TNF-RII is efficiently activated only by the membrane bound form of TNF-alpha. Binding of the inherently trimeric TNF-alpha to TNFR1 and TNFR2 induces receptor trimerization and recruitment of several signaling proteins to the cytoplasmic domains of the receptors. Occupancy of TNFR2 results in direct recruitment of TNF Receptor Associated Factor 2 (TRAF2), which in turn recruits TRAF1.

Aliases Tumor necrosis factor receptor superfamily member 1B, TNF-RII, p75/p80

Cross reactivity Human TNF-RI: Yes (problematic in case of TNF-RII knockout studies); Human TNF-alpha: Minimal cross reactivity

Storage&stability Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

Precautions For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
31/03/2021

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.

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