

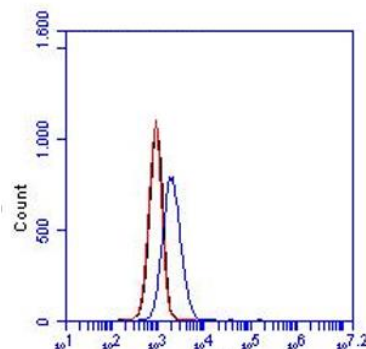
**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	TNF-RI, Human, clone MR1-2		
<b>Catalog number</b>	HM2005-10MG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	-	<b>Amount</b>	10 mg
<b>Formulation</b>	0.2 µm filtered in PBS	<b>Concentration</b>	>0.5 mg/ml
<b>Host Species</b>	Mouse IgG1	<b>Conjugate</b>	None
<b>Endotoxin</b>	<24 EU/mg	<b>Purification</b>	Protein G
<b>Storage</b>	4°C		

**Application notes**

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #				1,2	3			
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



FC: detection of TNF-RI in THP-1 cells. Red, black and blue line represent the isotype control, cells only and HM2005 with a concentration of 4 µg/250000 cells, respectively.

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.

- Positive control: human lymphnodes or PHA activated T cells.

**General Information**

<b>Description</b>	The antibody MR1-2 reacts with the extra-cellular part of the TNF-RI. It also reacts with the soluble receptor. TNF-RI is present on most cell types and is considered to play a prominent role in cell stimulation by TNF-alpha: Induction of cytotoxicity and other functions are mediated largely via TNF-RI. The antibody cross reacts with rhesus and cynomolgus natural TNF-RI.
<b>Immunogen</b>	Extracellular part of TNF-R55
<b>Aliases</b>	Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor type1
<b>Gene</b>	Gene name: TNFRSF1A
<b>References</b>	1. Leeuwenberg, JFM et al; Slow release of soluble TNF-Receptors by monocytes in vitro. J Immunol 1994, 152: 4036

2. Leeuwenberg, JFM et al; Lipopolysaccharide LPS-mediated soluble TNF-Receptor release and TNF-Receptor expression by monocytes; role of CD14, LPS binding protein and bactericidal/permeability-increasing protein. J Immunol 1994, 152: 5070
3. Marchetti, L et al; Tumor necrosis factor (TNF)-mediated neuroprotection against glutamate-induced excitotoxicity is enhanced by N-methyl-D-aspartate receptor activation. Essential role of a TNF receptor 2-mediated phosphatidylinositol 3-kinase-dependent NF-kappa B pathway. J Biol Chem 2004, 279: 32869

**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  
07/10/2019

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).