

**BIOTINYLATED MONOCLONAL ANTIBODY TO
HUMAN CD120b, TNF-RII (p75/p80)
Clone MR2-1**



Catalog nr	HM2008 (lot number and expiry date are indicated on the label)
Description	The antibody reacts with the extra-cellular part of the TNF-RII. It also reacts with the soluble receptor. TNF-RII is present on most cell types and is considered to play a prominent role in cell stimulation by TNF-alpha. TNF-RII molecule is shown to be responsible for stimulation of activated T-lymphocytes by TNF-alpha. The antibody cross reacts with rhesus and cynomolgus natural TNF-RII.
Species	Mouse IgG ₁
Formulation	0.5 ml (100 µg/ml) 0.2 µm filtered biotinylated antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin.
Application	The antibody is an agonistic antibody (after cross-linking) and <u>receptor modulating antibody</u> useful for cell culture experiments, flow cytometry and immunohistology on frozen sections. Furthermore the antibody is useful for immunoprecipitation, Western blotting and immuno assays. The reactivity of the antibody with cell-bound TNF-Receptor is minimally inhibited by high concentrations of TNF-alpha .
Use	For immunohistology, flow cytometry and Western blotting 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 1:10. Advised positive controls for frozen sections are human lymphnodes and for flow cytometry PHA activated T cells.
Storage and stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for 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. Hbt is not responsible for any patent infringements that might result with the use of or derivation of this product.
References	<ol style="list-style-type: none">1. Leeuwenberg, JFM et al; Slow release of soluble TNF-Receptors by monocytes in vitro. J Immunol 1994, 152: 40362. 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
Also available	HM2007 Monoclonal antibody against Human TNF-RII, clone MR2-1, agonistic and receptor modulating HM2022 Monoclonal antibody against Human TNF-RII, clone 80M2, non-agonistic and receptor modulating HM2023 Biotinlyated monoclonal antibody against Human TNF-RII, clone 80M2, non-agonistic and receptor modulating HP9003 Polyclonal antibody against Human TNF-RII