

## Anti-NgR1 [M5] Standard Size Ab00375-8.1

This chimeric rat antibody was made using the variable domain sequences of the original Rabbit IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rat IgG2b, Kappa

**Clone Number:** M5

**Alternative Name(s) of Target:** Nogo-66 Receptor

**UniProt Accession Number of Target Protein:** Q86UN2

**Published Application(s):** IP, WB, ELISA, FC

**Published Species Reactivity:** Rat, Human, Mouse

**Immunogen:** (His)6-tagged fragment of rat NgR1 (amino acids 278-473).

**Specificity:** The antibody binds to human and rat NgR1 with a  $K_d$  of 2.9 nM for both species (bivalent binding).

**Application Notes:** The antibody binds specifically to residues 379-448 of NgR1, a member of the Nogo-66 receptor family which inhibits axonal growth and sporulating in the CNS.

**Antibody First Published in:** Hofer et al. Chimeric Rabbit/Human Fab and IgG Specific for Members of the Nogo-66 Receptor Family Selected for Species Cross-Reactivity with an improved Phage Display Vector. Journal of Immunological Methods 2008; 318(1-2):75-87 [PMID:17140598](#)

**Note on publication:** Describes the generation of two monoclonal rabbit antibodies against members of the Nogo-66 receptor family.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.