

Product datasheet for **AM31842PU-N**

p75 NGF Receptor (NGFR) Mouse Monoclonal Antibody [Clone ID: ME20.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	ME20.4
Applications:	FC, IF, IHC, IP, Neutralize, WB
Recommended Dilution:	Flow Cytometry. Immunohistochemistry on frozen and paraffin sections. Immunoprecipitation. Immunofluorescence. Functional Assay. Western Blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	WM245 melanoma cells
Specificity:	Anti-Neuronal Growth Factor Receptor (NGFR), p75, low affinity receptor. Detects a protein with a molecular weight of 75 kDa.
Formulation:	PBS (20mM), 0.14M NaCl, pH 7.3. containing 0.09% sodium azide (NaN ₃) as preservative and 0.2% gelatin as stabilizer State: Purified State: Liquid purified Ig fraction
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	nerve growth factor receptor
Database Link:	Entrez Gene 4804 Human P08138



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Synonyms: TNFRSF16

Note: Protocol: **Flow Cytometry Protocol:**

1. Add 10 µl of antibody to 1 x 10⁶ cells.
2. Incubate 30 minutes on ice in PBS containing 2-5% BSA.
3. Wash via centrifugation and add second-step antibody at appropriate dilution.
4. Incubate 20-30 minutes and wash again.
5. Analyze by flow cytometry.

Positive Control Cell Line: HS294T from ATCC

Procedure For General Staining Using Flow Cytometry:(For Non-Adherent Cells):

1. Add 0.3-1.0 µg anti-NGFR FITC or PE in 10 µl to one million cells in 100 µl PBS, 2% BSA.
2. Incubate on ice for 30 minutes.
3. Add 1.0 ml PBS, BSA and centrifuge for 5 minutes at 500xg to wash cells.
4. Suction off PBS, BSA and add 1.0 ml fresh PBS, BSA.
5. Analyze by flow cytometry.
6. HS294 T-cell line from ATCC can be used for positive control.

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Neurotrophin signaling pathway