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Biotin Mouse Anti-Human p75 NGFR (low affinity receptor)

CL10013B

Lot: P7-02

Description: Biotin conjugated Mouse anti-Neuronal Growth Factor Receptor (NGFR), p75, low affinity receptor. Detects a protein with a molecular weight of 75 kDa.

Antibody Content: 100 µg

Clone: ME20.4

Immunogen: WM245 melanoma cells

Isotype: Mouse IgG1, k

Formulation: Purified via protein A in 1.0 ml PBS (20mM), 0.14M NaCl, pH 7.3. This product contains 0.1% sodium azide (NaN₃), and 0.2% gelatin.

Applications: Suitable for use in flow cytometry. This clone has also been reported to work in immunohistochemistry (frozen and paraffin sections), immunoprecipitation, immunofluorescence, functional assay (neutralization) and Western Blotting.

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.

Continued Overleaf...

For more information or to place an order please contact...

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References:

1. Ross, et al., Characterization of nerve growth factor receptor in neural crest tumors using monoclonal antibodies, Proc. Natl. Acad. Sci. 81:6681-6685, 1985.
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4. Vissavajhala, et al. Structural domains of the extracellular domain of human nerve growth factor receptor detected by partial proteolysis. Arch. Biochem. Biophys. 294(1): 244-252, 1992.

Laboratory Reagent For Research Use Only