PERFORMANCE DATA SHEET
1819

For maximal recovery of contents please quick spin vial before opening

Human CD271 NGFR(p75)-muIg/Biotin*

CATALOG#: 527-030
QUANTITY: 25 μg **CONCENTRATION: 0.5 mg/ml**

Molecular Structure: A soluble fusion protein consisting of the extracellular (195aa) domain of human NGFR fused to murine IgG2a Fc (233aa).
N-teminal sequence: (29)KEACP
Transfectant Cell Line: CHO

INFORMATION: The p75 low affinity human Nerve Growth Factor receptor (TNFRSF16) is expressed on a variety of tissue types including a subset of splenic and nodal lymphocytes. Presence of this receptor supports uptake of intracellular calcium, but not mobilization(3). Its immunological role has not yet been elucidated. NGFR-muIg fusion protein binds to recombinant NGFβ coated plates in EIA.

REFERENCES: (1)Brodie C, E W Gelfand (1992) *Journal of Immunology*. **148**(11): 3492-3497. (2) Fantini F, O. Johansson (1992) *Journal of Investigative Dermatology*. **99**(6): 734-742. (3) Jiang H, G Gurogg, et al.(1999*) J Biol Chem* **274**(37): 26209-16. (4) Khwaja F, D Djakiew, et al (2004) *Cancer Res* **64**(17): 6207-13.

STORAGE CONDITIONS: ***Store at 2 - 5^{o}C***. Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Fusion protein from (low FBS containing) tissue culture supernatant of transfectants was purified using affinity and size exclusion chromatography), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate by diafiltration.

PERFORMANCE: Identity of NGFR-muIg was confirmed by n-terminal sequencing (KEACP).
NGFR-muIg/Biotin was reactive in EIA using plates coated with 1 μg/ml NGFβ, and secondary detection with SA/HRP. A strong signal was observed using 500 ng/ml NGFR-muIg/Biotin.

****This Product is intended for Laboratory Research use only.***

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