



PERFORMANCE DATA SHEET
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Human CD56_{trn}-mIg /Biotin Fusion Protein*

CATALOG#: 522-030

QUANTITY: 25 µg

CONCENTRATION: 0.5 mg/ml

Molecular Structure: A soluble molecule consisting of the first 4 Ig-like extracellular domains of human CD56 (370 aa) fused to the murine IgG2a Fc (232 aa). Predicted monomeric weight is 67.8 kd (amino acid composition only).

Transfectant Cell Line: CHO

INFORMATION: Human CD56 is an adhesion molecule from the Ig superfamily which is restricted to NK cells in the immune system. It is believed that NK cells form a first line of defense against tumor cells and cells infected with bacteria and viruses.

References: S.P. Bourne, et al, (1991) J Neuro-Oncol **10**: 111-119. T.L. Whiteside and R.B. Herberman (1994) Clinical & Diagnostic Laboratory Immunology. H. Spits, et al, (1995) Blood **85**: 2654-2670.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 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% NaN₃ (as a preservative).

PRODUCTION: Human CD56-mIg fusion protein was Protein A purified from (low FBS containing) tissue culture supernatant of CHO transfectants, and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate by desalting.

PERFORMANCE: CD56(trn)-mIg/Biotin fusion protein was detectable at 1 ng/ml in EIA using a anti-CD56 (clone ANC7C7 catalog #308-020) capture, followed by detection using Streptavidin/HRP. Amino acid sequence of purified fusion protein was confirmed by n-terminal analysis (LQVDI).

**Research use only. Not for use in Diagnostic procedures.*