**PERFORMANCE DATA SHEET**
**1819**

# Human CD80-muIg *Fusion Protein**

**For maximal recovery of contents please quick spin vial before opening**

**CATALOG#: 510-020**
**QUANTITY: 25 µg** **CONCENTRATION: 0.5 mg/ml**

***Molecular Structure:*** A soluble dimeric fusion protein consisting of the extracellular (173aa) domain of human CD80 fused to murine IgG2a Fc + hinge (232 aa). Predicted monomeric molecular weight : 51.3 kd.

***Transfectant Cell Line:*** CHO

***Information:*** Human CD80 (B7-1) is a costimulatory ligand for CD28 and CTLA-4(1). CD80 is expressed on activated B cells (2).
***References:*** **1.** C.B. Thompson, (1995) Cell 81: 979-982. **2.** Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 682-684.

***Immunochemistry Applications:*** Blocking Antibody or recombinant protein binding to CD80. Component for ELISA use.

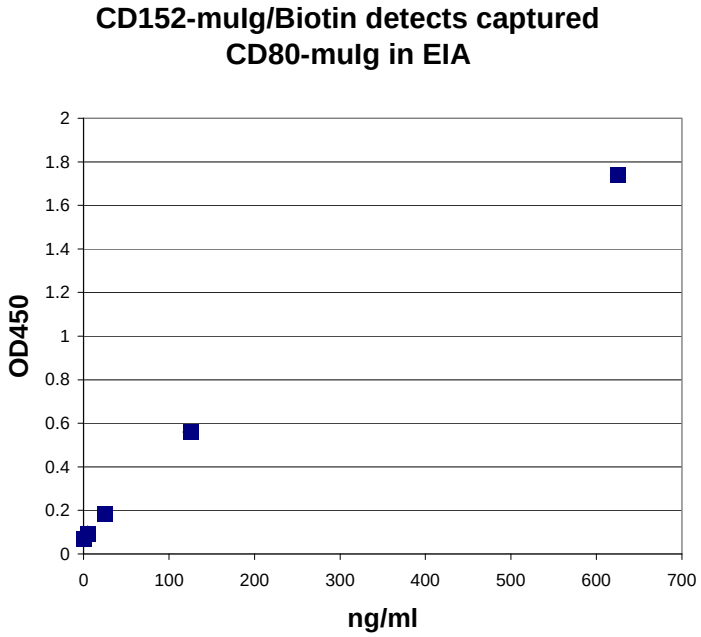
**STORAGE CONDITIONS:** ***Store at 2 - 5$^{o}$C***. Freeze/Thawing is not recommended.

**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 7.6, 100mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**PRODUCTION:** Human CD80-muIg fusion protein was purified from (low FBS containing) tissue culture supernatant of CHO transfectants.

**PERFORMANCE:** CD80-muIg was reactive in an Enzyme Immuno-assay utilizing a Goat anti-Mouse Ig coated plate for capture, and CD152-muIg/Biotin recombinant protein (Catalog #501-030) or anti-CD80/Biotinylated antibody (Catalog #110-030) for detection, followed by Streptavidin/HRP and TMB/$H_2O_2$ substrate chromagen.




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

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