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Human CD24-muIg Fusion Protein*

CATALOG#: 559-020

QUANTITY: 25 ug

CONCENTRATION: 0.5 mg/ml

Molecular Structure: A soluble molecule consisting of the extracellular (33aa) domain of human CD24 fused to the murine IgG2a Fc (233 aa), with a predicted non glycosylated monomeric weight of 30.1 kd.

Residual signal peptide: (6aa) (1)**kpqape**

Mature CD24(EC) (33 aa): **setttgtssnssqstnsnglapnptnatkkaag**

Murine IgG2a hinge +Fc

(233aa):**eprgptikpcppckcpapnllggpsvfifppkikdvlmislspivtcvvvdvseddpdvqiswfvnnvevhtaqtqthredynstlrsvsalpiqhqdwmngkefkckvnnkdlpapiertiskpkgsvrpqvylpppeeemtkkqvltcmvtdfmpediyvewtngktelnykntepvldsdgysfmyksklrvckknwvernsyscvsvhvglhhhtkfsrtpgk**

Transfectant Cell Line: HEK

INFORMATION: Human CD24 is a glycosyl phosphatidyl inositol (GPI) anchored surface protein found on B cells during multiple stages of development from precursor to the onset of plasma cell differentiation. Recombinant CD24-muIg is dimeric. Due to glycosylation, it runs at ~90kD in native SDS-PAGE and ~45 kD under reducing conditions.

References: C.S. Abramson, et al, (1981) J Immunol **126**: 83-88. H. Mehmet, et al, (1990) Clin Exp Immunol **81**: 489-495. Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 82-84. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 539-543.

STORAGE CONDITIONS: Store at 2 - 5°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, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Recombinant protein from (low FBS containing) tissue culture supernatant of transfectants was purified using affinity and size exclusion chromatography.

PERFORMANCE: Pre incubation with a 10-fold excess of CD24-muIg blocks binding of recombinant Siglec10-muIg to human Raji cells in FACS with GAM/FITC detection.

* *Research Use Only. Not for use in Diagnostic procedures.*

Recombinant CD24-muIg blocks binding of Siglec10-muIg +GAM/FITC to human Raji cells

