PERFORMANCE DATA SHEET
1819

Human CD270(HVEM)-muIg *Fusion Protein**

For maximal recovery of contents please quick spin vial before opening

CATALOG#: 531-020
QUANTITY: 25 μg **CONCENTRATION: 0.5 mg/ml**

Molecular Structure: A soluble fusion protein consisting of the extracellular (187aa) domain of mature human HVEM fused to murine IgG2a Fc (233aa) with a predicted non glycosylated molecular weight of 46.4 kd.

Predicted amino acid Sequence:
Residual murine CD8α leader sequence: **kpqapelrgs**
mature HVEM (EC):
rrlvlyltflgapcyapalpsckedeypvgseccpkcspgyrvkeacgeltgtvcepcppgtyiahlnglskclqcqmcdpamglrasrncsrtenavcgcspghfcivq dgdhcaacrayatsspgqrvqkggtesqdtlcqncppgtfspngtleecqhqtkcswlvtkagagtsn
linker: **gt**
muIg Fc:
eprgptikpcppckcpapnllggpsvfifppkikdvlmislspivtcvvvdvseddpdvqiswfvnnvevhtaqtqthredynstlrvvsalpiqhqdwmsgkefkc kvnnkdlpapiertiskpkgsvrapqvyvlpppeeemtkkqvtltcmvtdfmpediyvewtnngktelnykntepvldsdgsyfmysklrvekknwvernsyscs vvheglhnhhttksfsrtpgk

Transfectant Cell Line: CHO

INFORMATION: Human Herpes Virus Entry Mediator (TNFRSF14, ATAR, LIGHTR, TR2) is a 36kd type I membrane protein that has been found on a broad range of lymphoid tissues. Its ligands include the TNF Ligand family members Ltα and LIGHT, and the CD28/Ig Superfamily member BTLA(2).
HVEM-muIg fusion protein binds to recombinant BTLA in EIA.

REFERENCES: (1) Hsu H, et al. (1997) *J Biol Chem* **272**:13471. (2) Gonzalez LC, et al. (2005) *PNAS* **102**(4): 1116-1121.

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, 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: HVEM-muIg was reactive in EIA using recombinant BTLA as a detector.
Identity of HVEM-muIg was confirmed by n-terminal sequencing: ~60% KPQAP (residual exogenous leader sequence), 30%(37)PALPS.

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

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