

PERFORMANCE DATA SHEET

1819

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

For maximal recovery of contents please quick spin vial before opening

CATALOG#: 531-820 (Preservative-free)

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):

**rrlvlyltflgapcyapalpsckedeyypvgseccpkcspgyrvkeacgeltgtvcepeppgtyiahlnglskclqcqmcdpamglrasncsrtenavcgcsphfcivq
dgdhcaacrayatsspgqrqvkggtesqdtlcqncppgtfspngtleecqhqtkswlvtkagagtsn**

linker: **gt**

muIg Fc:

**eprgptikpcppckcpapnllggpsvfifppkikdvlmislspivtcvvvdvseddvdvqiswfvnnvevhtaqtqthredynstlrsvsalpiqhqdwmkgkfc
kvnnkdlpapiertiskpkgsvrapqvyvlppeeemtkkqvtlcmvtdfmpediyvewtnngktelnykntepvldsdgsyfmysklrvekknwvernsyscs
vvheglhnhhttkfsrtpgk**

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°C. Open under aseptic conditions.* 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.

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.*