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32-13260: HLA-G Human

Alternative Name :	Major Histocompatibility Complex, Class I, G, HLA-G Histocompatibility Antigen, Class I, G, MHC Class I Antigen G, B2 Microglobulin, HLA G Antigen, HLA Class I Histocompatibility Antigen, Alpha Chain G, Mutant MHC Class Ib Antigen, Mutant MHC Class I Antigen, MHC Class Ib Antigen, HLA-6.0, MHC-G, HLAG, HLA class I histocompatibility antigen, alpha chain G, HLA G antigen, MHC class I antigen G.

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
HLA-G (Major Histocompatibility Complex Class I G) is a member of the HLA class I heavy chain paralogues. This class I molecule is a heterodimer which comprises a heavy chain as well as a light chain, beta-2 microglobulin, while the heavy chain is fixed in the membrane. HLA-G is expressed on fetal derived placental cells. HLA-G is a non-classical class-I HLA molecule linked with immuno-modulatory & anti-inflammatory properties which interacts with inhibitory receptors such as, ILT2/ILT4/KIR2DL4, that are present on different immune cells. HLA-G inhibits the proliferation of T cells, B cells & natural killer cells, moreover it also induces regulatory T cells.
HLA-G Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 309 amino acids (25-308 a.a) and having a molecular mass of 35.3kDa.HLA-G is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	HLA-G protein solution (0.25mg/ml) contains 20% glycerol and PBS (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMGSHSM RYFSAAVSRP GRGEPRFIAM GYVDDTQFVR FDSDSACPRM EPRAPWVEQE GPEYWEEETR NTKAHAQTDR MNLQTLRGYY NQSEASSHTL QWMIGCDLGS DGRLLRGYEQ YAYDGKDYLA LNEDLRSWTA ADTAAQISKR KCEAANVAEQÂ RRAYLEGTCV EWLHRYLENG KEMLQRADPP KTHVTHHPVF DYEATLRCWA LGFYPAEIIL TWQRDGEDQT QDVELVETRP AGDGTFQKWA AVVVPSGEEQ RYTCHVQHEG LPEPLMLRWK QSSLPTIPI.

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