

PE-Labeled Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein



Cat. No. HLG-HM41CTP

Description

Source	Recombinant PE-Labeled Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin. It contains Gly25-Thr305 (HLA-G), Ile21-Met119 (B2M) and RIIPRHLQL peptide.
Accession	P17693-1(HLA-G)&P61769(B2M)&RIIPRHLQL
Wavelength	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm
Endotoxin	Less than 1 EU per µg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in PBS, 0.2% BSA (pH 7.4).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

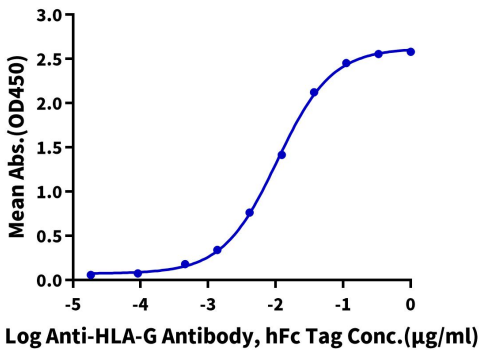
Background

HLA-G is a molecule that was first known to confer protection to the fetus from destruction by the immune system of its mother, thus critically contributing to fetal-maternal tolerance. The first functional finding constituted the basis for HLA-G research and can be summarized as such: HLA-G, membrane-bound or soluble, strongly binds its inhibitory receptors on immune cells (NK, T, B, monocytes/dendritic cells), inhibits the functions of these effectors, and so induces immune inhibition.

Assay Data

ELISA Data

PE-labeled Human HLA-G&B2M&Peptide (RIIPRHLQL), His Tag ELISA
0.05µg PE-labeled Human HLA-G&B2M&Peptide (RIIPRHLQL), His Tag Per Well



Immobilized PE-Labeled Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-HLA-G Antibody, hFc Tag with the EC50 of 10.6ng/ml determined by ELISA.