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

Cat. No. HLG-CM41CTP

Description

Source	Recombinant PE-Labeled Cynomolgus HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus, PE-Labeled Cynomolgus 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	E0WKX9(HLA-G)&Q8SPW0(B2M)&RIIPRHLQL
Wavelength	Excitation Wavelength: 488 nm / 561 nm
	Emission Wavelength: 575 nm

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS, 100mM L-Arginine, 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.