Recombinant Cynomolgus HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer protein, His-Avi-tagged, Biotinylated

Cat. No. HLA-G&B2M-1733C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus HLA-G Tetramer Protein(Gly25-Thr305(HLA-G), Ile21-Met119(B2M) and RIIPRHLQL peptide) is expressed from HEK293 with His tag and Avi tag at the C-terminal, tetramer is assembled by Biotinylated monomer and streptavidin.
Species	Cynomolgus
Source	HEK293
ProteinLength	Gly25-Thr305(HLA-G), Ile21-Met119(B2M)and RIIPRHLQL peptide
Tag	C-His-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Cynomolgus LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His Tag with an affinity constant of 42.50 nM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition based on Tris-Bis PAGE

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	result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Conjugation	Biotin

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