

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

**Cat. No.** HLA-G&B2M-7685R    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Recombinant Rhesus macaque 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. |
| <b>Species</b>           | Rhesus macaque                                                                                                                                                                                                                                       |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>     | Gly25-Thr305(HLA-G), Ile21-Met119(B2M)and RIIPRHLQL peptide                                                                                                                                                                                          |
| <b>Tag</b>               | C-His-Avi                                                                                                                                                                                                                                            |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                                               |
| <b>Form</b>              | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                                                                       |
| <b>Bio-activity</b>      | Immobilized Rhesus macaque HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Rhesus macaque LILRB1, hFc Tag with the EC50 of 91.9ng/ml determined by ELISA.                               |
| <b>Molecular Mass</b>    | 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**

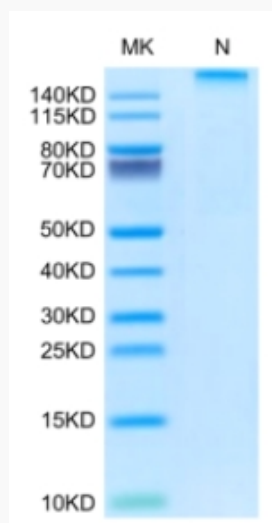
Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**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

**Tris-Bis PAGE**


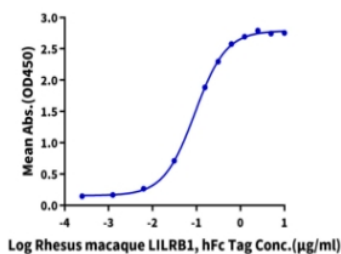
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## ELISA Data

**Rhesus macaque HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His Tag ELISA**  
0.5µg Rhesus macaque HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer, His Tag Per Well



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