

# Biotinylated Human HLA-A\*11:01&B2M&EGFR L858R (KITDFGRAK) Monomer Protein



Cat. No. MHC-HE039B

## Description

<b>Source</b>	Recombinant Biotinylated Human HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M) and KITDFGRAK peptide.
<b>Accession</b>	AAV53343.1(HLA-A*11:01)&P61769(B2M)&KITDFGRAK
<b>Molecular Weight</b>	The protein has a predicted MW of 35.36 kDa (HLA-A*11:01) and 11.9 kDa (B2M) same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

## Formulation and Storage

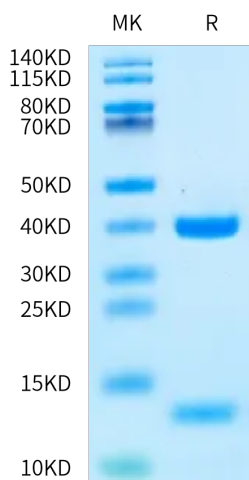
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in 20mM Tris, 200mM NaCl (pH 8.0).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The epidermal growth factor receptor is a transmembrane protein that is a receptor for members of the epidermal growth factor family of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR, HER2/neu, Her 3 and Her 4. Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses.

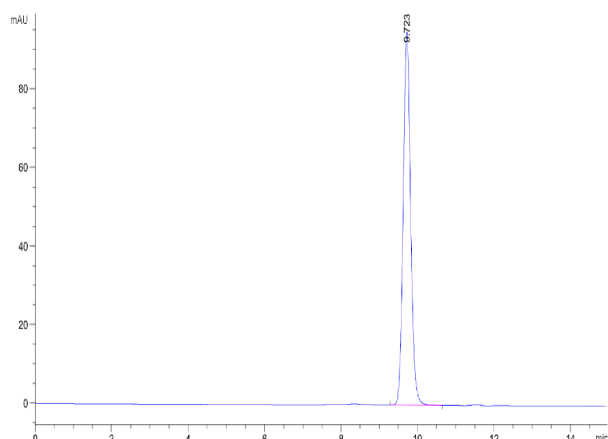
## Assay Data

### Bis-Tris PAGE



Biotinylated Human HLA-A\*11:01&B2M&EGFR L858R (KITDFGRAK) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



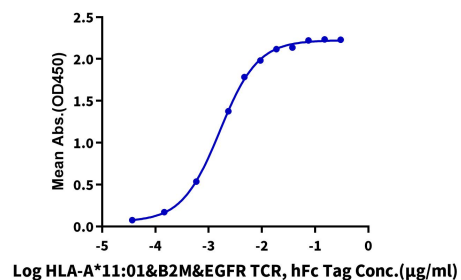
The purity of Biotinylated Human HLA-A\*11:01&B2M&EGFR L858R (KITDFGRAK) Monomer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Biotinylated HLA-A\*11:01&B2M&EGFR L858R (KITDFGRAK) Monomer, His-Avi Tag ELISA**

0.2µg Biotinylated HLA-A\*11:01&B2M&EGFR L858R (KITDFGRAK) Monomer, His-Avi Tag Per Well



Immobilized Biotinylated HLA-A\*11:01&B2M&EGFR L858R (KITDFGRAK) Monomer, His-Avi Tag at 2µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for HLA-A\*11:01&B2M&EGFR TCR, hFc Tag with the EC50 of 1.6ng/ml determined by ELISA (QC Test).