

Human HLA-A*11:01&B2M&EGFR WT (KITDFGLAK) Monomer Protein



Cat. No. MHC-HE451

Description

Source	Recombinant Human HLA-A*11:01&B2M&EGFR WT (KITDFGLAK) 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 KITDFGLAK peptide.
Accession	AAV53343.1(HLA-A*11:01)&P61769(B2M)&KITDFGLAK
Molecular Weight	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.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 200mM NaCl (pH 8.0).
Storage	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.

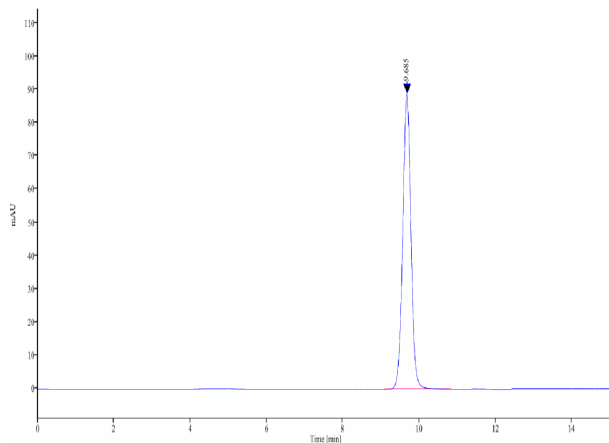
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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