

HLA-A\*11:01&B2M&EGFR L858R (KITDFGRAK) Tetramer Protein, Human, MHC (His & Avi), PE-

## General Information

Synonyms: NISBD2;PIG61;LEGFR;ERBB1;EC 2.7.10;HER1;EGFR;ErbB;EC 2.7.10.1;mENA;ERBB

Protein Construction: Gly25-Thr305 (HLA-A\*11:01), Ile21-Met119 (B2M) and KITDFGRAK peptide

Species: Human

Expression Host: E. coli

Accession: AAV53343.1(HLA-A\*11:01)&P61769(B2M)&KITDFGRAK

## QC Testing

Biological Activity: Immobilized PE-Labeled Human HLA-A\*11:01&B2M&EGFR L858R (KITDFGRAK) Tetramer, His Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for HLA-A\*11:01&B2M&EGFR TCR, hFc Tag with the EC50 of 0.11 µg/ml determined by ELISA.

Formulation: Supplied as 0.22 µm filtered solution in PBS, 0.2% BSA (pH 7.4).

## Preparation and Storage

### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein 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.

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