

## HUMAN EPHA3 PROTEIN, MFC-HIS TAG

**Cat.#:** 11171

**Product Name:** Human EPHA3 Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** TYRO4;HEK4;ETK1;ETK;EK4;HEK

**Target:** EPHA3

**UNIPROT ID:** P29320

**Description:** Recombinant human EPHA3 protein with C-terminal mouse Fc and 6xHis tag

**Background:** This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 85.9 kDa after removal of the signal peptide.

**Molecular Characterization:** EPHA3(Glu21-Gln541) mFc(Pro99-Lys330) 6×His tag

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

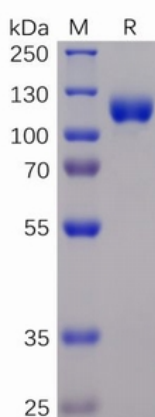


Figure 1. Human EPHA3 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

### Human EPHA3, mFc-His Tagged protein ELISA

0.2 µg of EPHA3, mFc-His Tagged protein per well

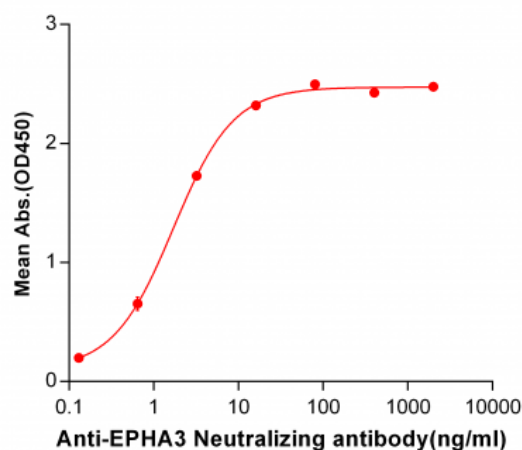


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human EPHA3, mFc-His tagged protein (11171) can bind Anti-EPHA3 Neutralizing antibody 28028 in a linear range of 0.13-16.0 ng/ml.