

## HUMAN AXL PROTEIN, HFC TAG

**Cat.#:** 11332

**Product Name:** Human AXL Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** AXL;FO

**Target:** AXL

**UNIPROT ID:** P30530

**Description:** Recombinant Human AXL with C-terminal human Fc tag

**Background:** The protein encoded by this gene is a member of the Tyro3-Axl-Mer (TAM) receptor tyrosine kinase subfamily. The encoded protein possesses an extracellular domain which is composed of two immunoglobulin-like motifs at the N-terminal, followed by two fibronectin type-III motifs. It transduces signals from the extracellular matrix into the cytoplasm by binding to the vitamin K-dependent protein growth arrest-specific 6 (Gas6). This gene may be involved in several cellular functions including growth, migration, aggregation and anti-inflammation in multiple cell types. Alternative splicing results in multiple transcript variants of this gene.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 71.9 kDa after removal of the signal peptide. The apparent molecular mass of AXL-hFc is approximately 100–130 kDa due to glycosylation.

**Molecular Characterization:** AXL(Ala26-Pro449) hFc(Glu99-Ala330)

**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 AXL Protein, hFc Tag on SDS-PAGE under reducing condition.

## Human AXL, hFc tagged protein ELISA

0.1  $\mu$ g of Human AXL, hFc tagged protein per well

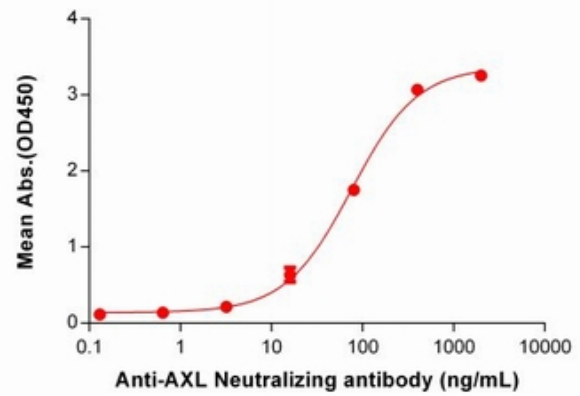


Figure 2. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human AXL, hFc tagged protein (11332) can bind Anti-AXL Neutralizing Antibody 28042 in a linear range of 0.64–80.0 ng/ml.