

## PRODUCT INFORMATION

<b>Target</b>	IFNAR1
<b>Synonyms</b>	Interferon alpha/beta receptor 1;IFN-R-1;IFN-alpha/beta receptor 1;CRF2-1;Type I interferon receptor 1
<b>Description</b>	Recombinant human IFNAR1 Protein with C-terminal Mouse Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P17181
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Mouse Fc Tag
<b>Molecular Characterization</b>	IFNAR1(Lys28-Lys436) mFc(Pro99-Lys330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 73 kDa after removal of the signal peptide. The apparent molecular mass of IFNAR1-mFc is approximately 100-130 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	The protein encoded by this gene is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. The protein belongs to the type II cytokine receptor family and functions as an antiviral factor. [provided by RefSeq, Jul 2020]
<b>Usage</b>	Research use only



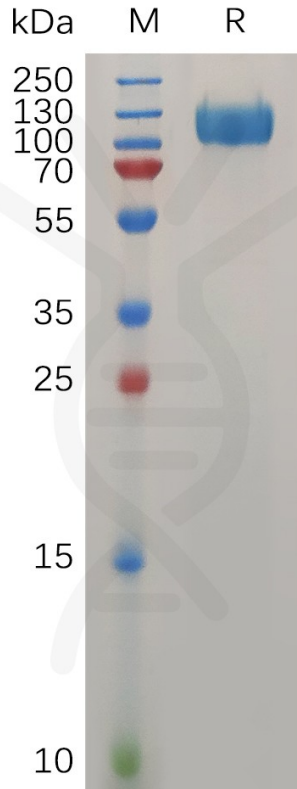


Figure 1. Human IFNAR1 Protein, mFc Tag on SDS-PAGE under reducing condition.

### Human IFNAR1, mFc Tagged protein ELISA

0.2  $\mu$ g of Human IFNAR1, mFc tagged protein per well

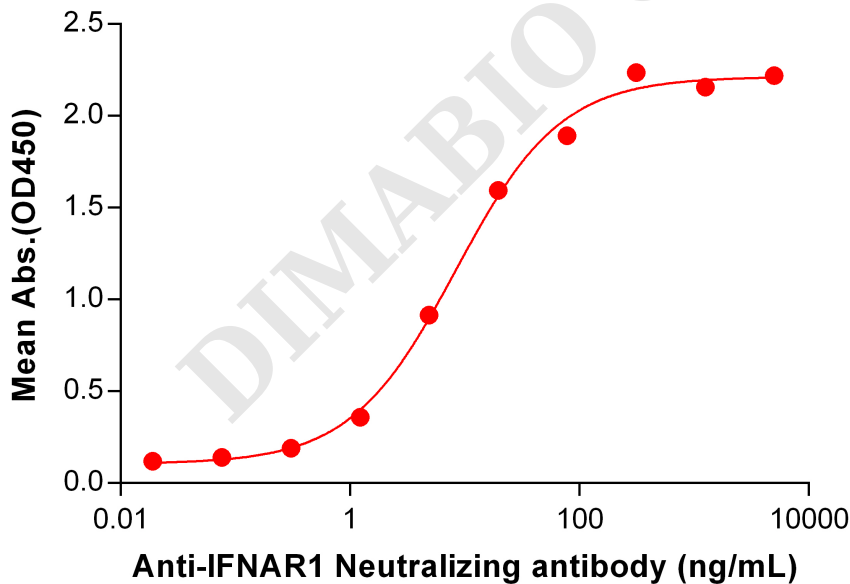


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human IFNAR1 Protein, mFc Tag (PME100737) can bind Anti-IFNAR1 Neutralizing antibody BME100117 in a linear range of 1.22-312.50 ng/mL.

