

HUMAN MIF PROTEIN, HFC TAG

Cat.#: 11264

Product Name: Human MIF Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: GIF;GLIF;MMIF

Target: MIF

UNIPROT ID: P14174

Description: Recombinant human MIF protein with C-terminal hFc tag

Background: This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 38.5 kDa after removal of the signal peptide. The apparent molecular mass of MIF-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: MIF(Pro2-Ala115) 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.

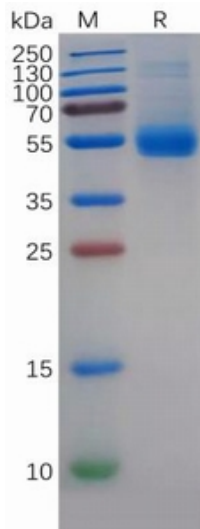


Figure 1. Human MIF Protein, hFc Tag on SDS-PAGE under reducing condition.

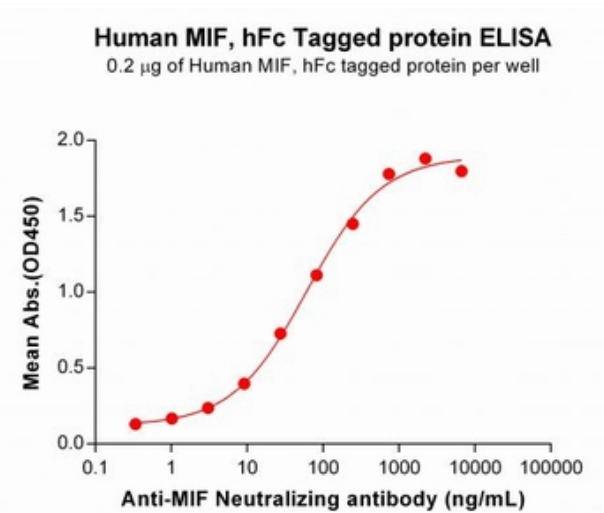


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human MIF Protein, hFc Tag (11264) can bind Anti-MIF Neutralizing antibody 28098 in a linear range of 3.05-740.74 ng/mL.