PRODUCT INFORMATION

Target	PD-1
Synonyms	Pdcd1;Pdc1;Ly101
Description	Recombinant mouse PD-1 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q02242
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse PD-1(Leu25-Gln167) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 42.3 kDa after removal of the signal peptide. The apparent molecular mass of mPD-1-hFc is approximately 35-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
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.
Background	Involved in negative regulation of immune response. Acts upstream of or within negative regulation of apoptotic process; negative regulation of tolerance induction; and positive regulation of apoptotic process. Located in external side of plasma membrane. Is expressed in retina. Used to study dilated cardiomyopathy and systemic lupus erythematosus. Human ortholog(s) of this gene implicated in autoimmune disease (multiple); hepatitis B; hepatitis C; hepatocellular carcinoma; and lupus nephritis. Orthologous to human PDCD1 (programmed cell death 1). [provided by Alliance of Genome Resources, Apr 2022]
Usage	Research use only
Conjugate	Unconjugated

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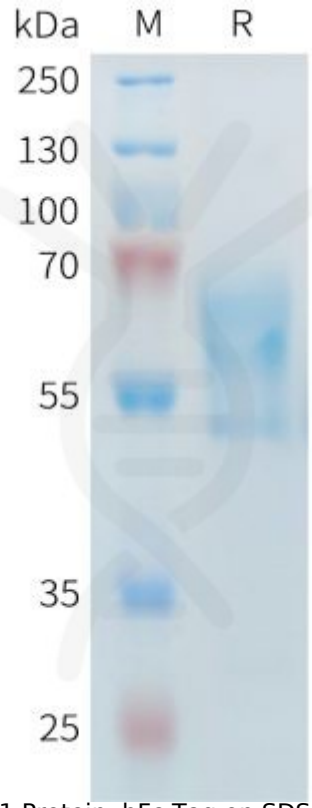


Figure 1. Mouse PD-1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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