PRODUCT INFORMATION

Target	4-1BB
Synonyms	ILA; TNFRSF9; CD137; CDw137; IMD109
Description	Recombinant human 4-1BB(24-46) Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q07011
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	4-1BB(Leu24-Ser46) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.6 kDa after removal of the signal peptide. The apparent molecular mass of 4-1BB(24-46)-hFc is approximately 35-55 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	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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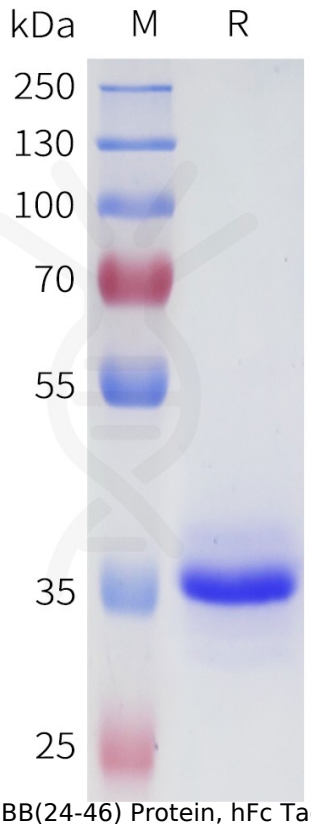


Figure 1. Human 4-1BB(24-46) Protein, hFc Tag on SDS-PAGE under reducing condition.

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