PRODUCT INFORMATION

Target	IGFBP7
Synonyms	AGM;FSTL2;IBP-7;IGFBP-7;IGFBP-7v;IGFBPRP1;MAC25;PSF;RAMSVPS;TAF
Description	Recombinant human IGFBP7 protein with N-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q16270
Expression Host	HEK293
Tag	N-6×His Tag
Molecular Characterization	6×His tag IGFBP7(Asp30-Leu282)
Molecular Weight	The protein has a predicted molecular mass of 27.0 kDa after removal of the signal peptide. The apparent molecular mass of His-IGFBP7 is approximately 35-40 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% 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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	This gene encodes a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm (PMID:21835307). [provided by RefSeq, Dec 2011]
Usage	Research use only
Conjugate	Unconjugated

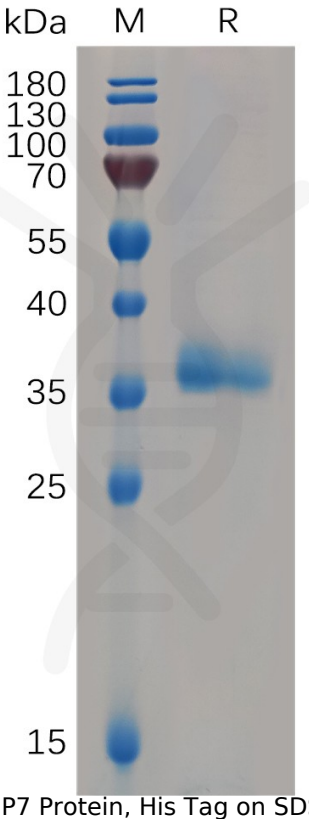

Figure 1.Human IGFBP7 Protein, His Tag on SDS-PAGE under reducing condition.

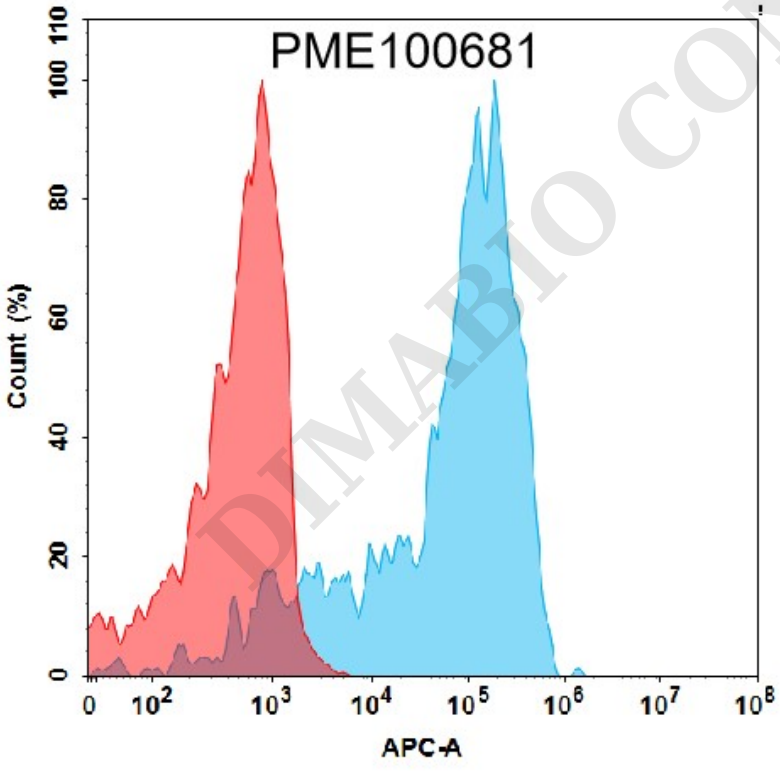

Figure 2.Flow cytometry analysis with 15 μg/mL Human IGFBP7 Protein, His Tag (PME100681) on HEK293 cells transfected with Human CD93 protein (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

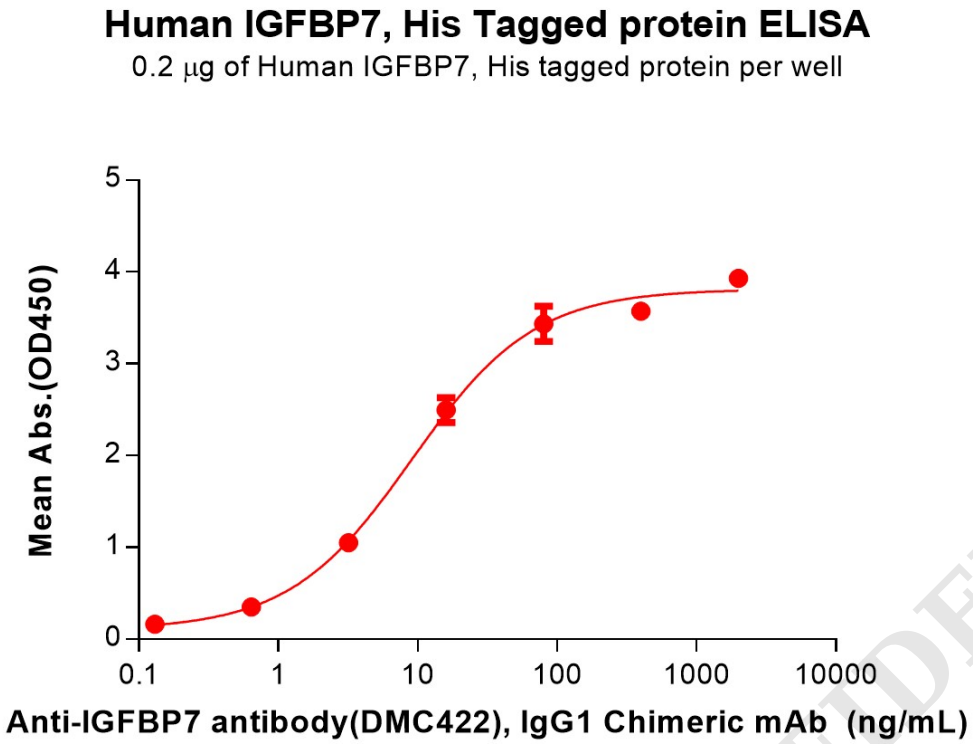

Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IGFBP7 Protein, His Tag (PME100681) can bind Anti-IGFBP7 antibody(DMC422), IgG1 Chimeric mAb in a linear range of 3.20–80 ng/mL.