PRODUCT INFORMATION

Target	F11
Synonyms	FXI; PTA
Description	Recombinant human F11 Protein with C-terminal 3×Flag tag
Delivery	In Stock
Uniprot ID	P03951
Expression Host	HEK293
Tag	C-3×Flag Tag
Molecular Characterization	F11(Met1-Val625) 3×Flag tag
Molecular Weight	The protein has a predicted molecular mass of 73.1 kDa after removal of the signal peptide.
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.
Background	This gene encodes coagulation factor XI of the blood coagulation cascade. This protein is present in plasma as a zymogen, which is a unique plasma coagulation enzyme because it exists as a homodimer consisting of two identical polypeptide chains linked by disulfide bonds. During activation of the plasma factor XI, an internal peptide bond is cleaved by factor XIIa (or XII) in each of the two chains, resulting in activated factor XIa, a serine protease composed of two heavy and two light chains held together by disulfide bonds. This activated plasma factor XI triggers the middle phase of the intrisic pathway of blood coagulation by activating factor IX. Defects in this factor lead to Rosenthal syndrome, a blood coagulation abnormality. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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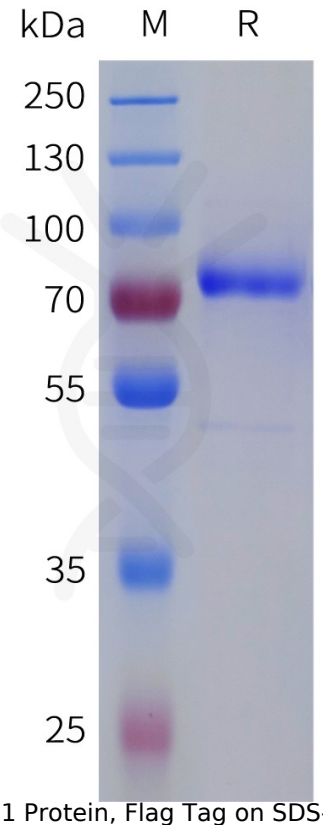

Figure 1. Human F11 Protein, Flag Tag on SDS-PAGE under reducing condition.

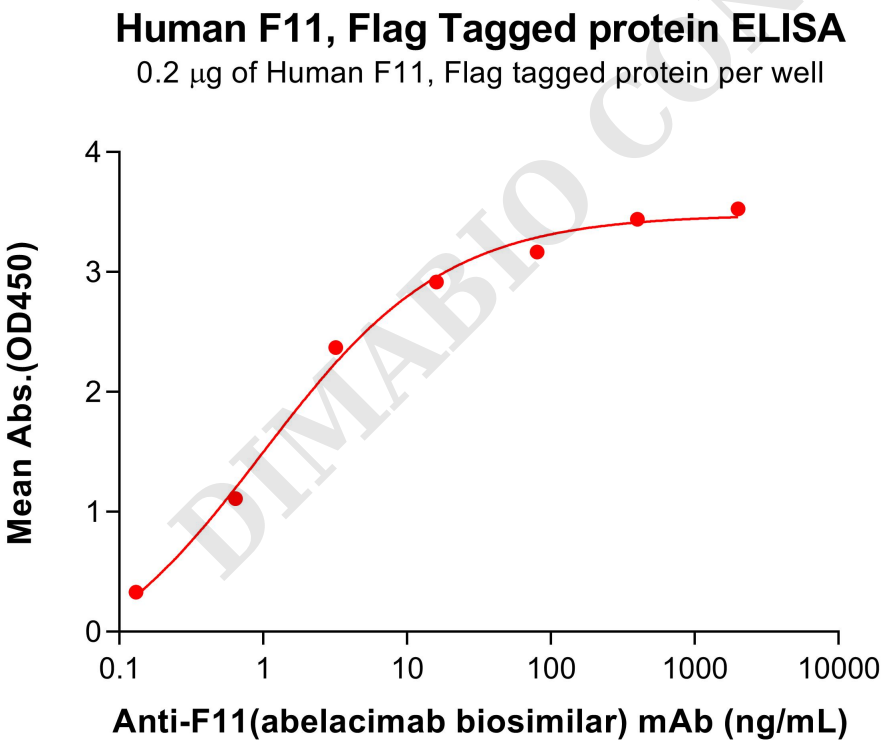

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human F11 Protein, Flag Tag (PME101748) can bind Anti-F11(abelacimab biosimilar) mAb (BME100255) in a linear range of 0.13–8 ng/mL.

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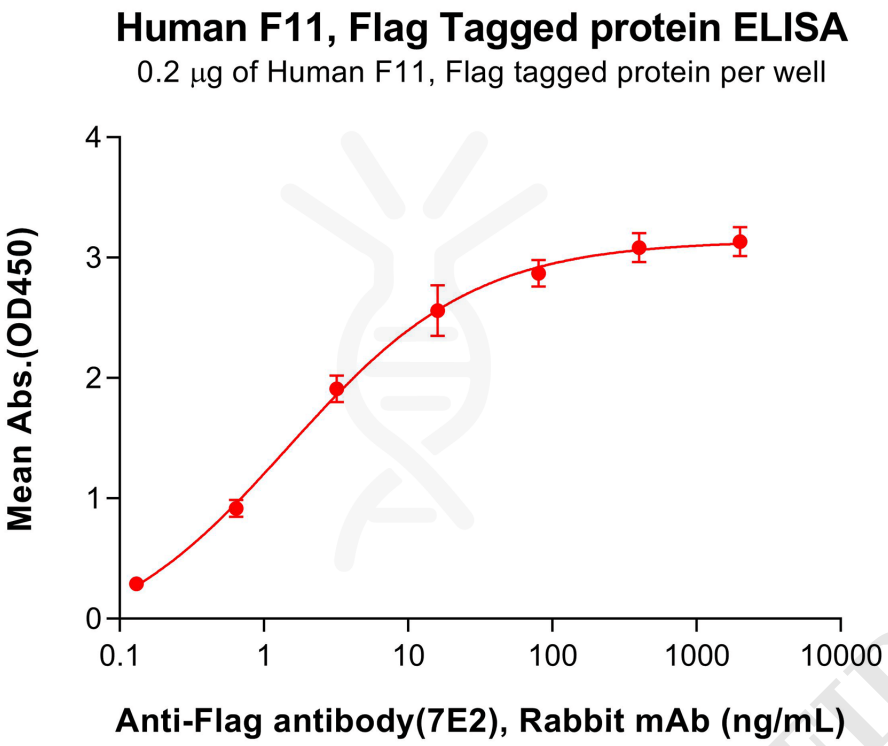

Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human F11 Protein, Flag Tag (PME101748) can bind Anti-Flag antibody(7E2), Rabbit mAb (DME101127) in a linear range of 0.64-3.2 ng/mL.

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