Human EPCAM Protein, His Tag

Cat. No. PME100068

PRODUCT INFORMATION

Target	EPCAM
Synonyms	EPCAM;TACSTD1;TROP1;CD326;DIAR5;EGP2;EGP314;EGP40;ESA;GA733-2;HNPCC8;HNPCC-8;KS1/4;KSA;M4S1;MIC18;MK1
Description	Recombinant human EPCAM protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P16422
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	EPCAM(Gln24-Lys265) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 28.2 kDa after removal of the signal peptide.
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	This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.
Usage	Research use only
Conjugate	Unconjugated

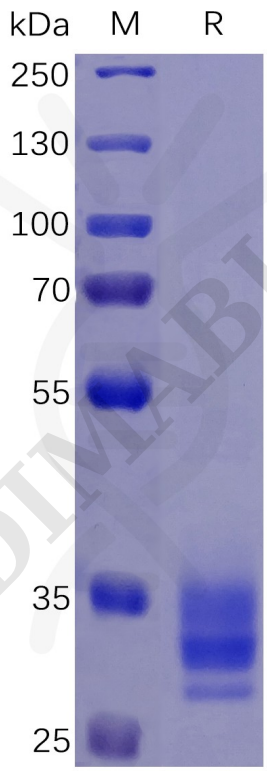


Figure 1.Human EPCAM Protein, His Tag on SDS-PAGE under reducing condition.

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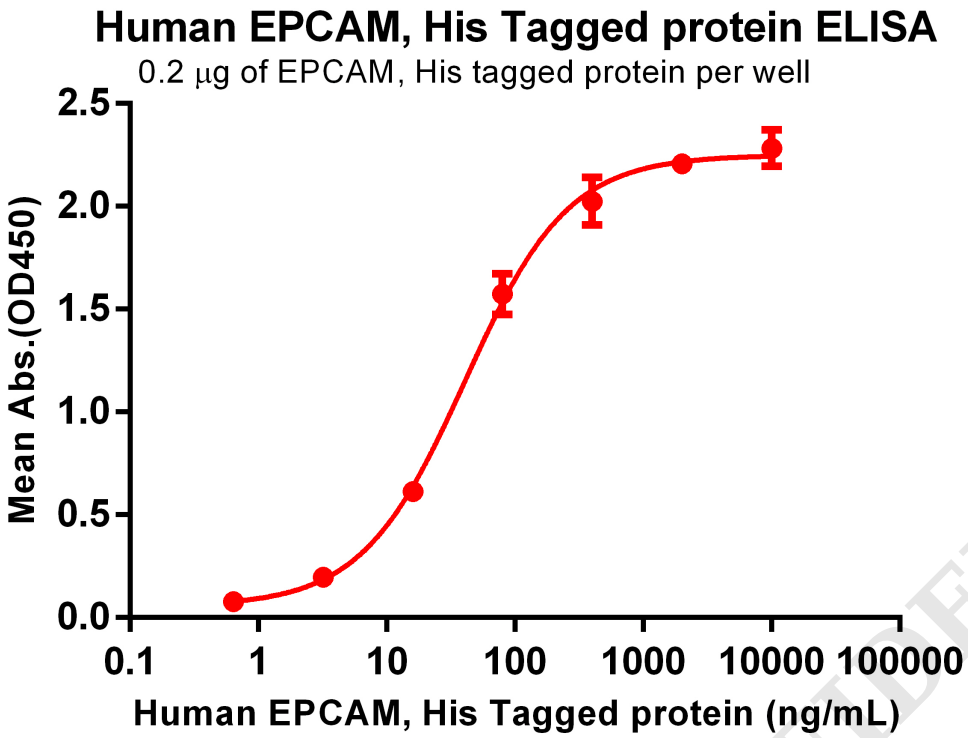


Figure 2.ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human EPCAM Protein, His Tag (PME100068) can bind Anti-EPCAM antibody(DM147), Rabbit mAb in a linear range of 3.20–16 ng/mL.

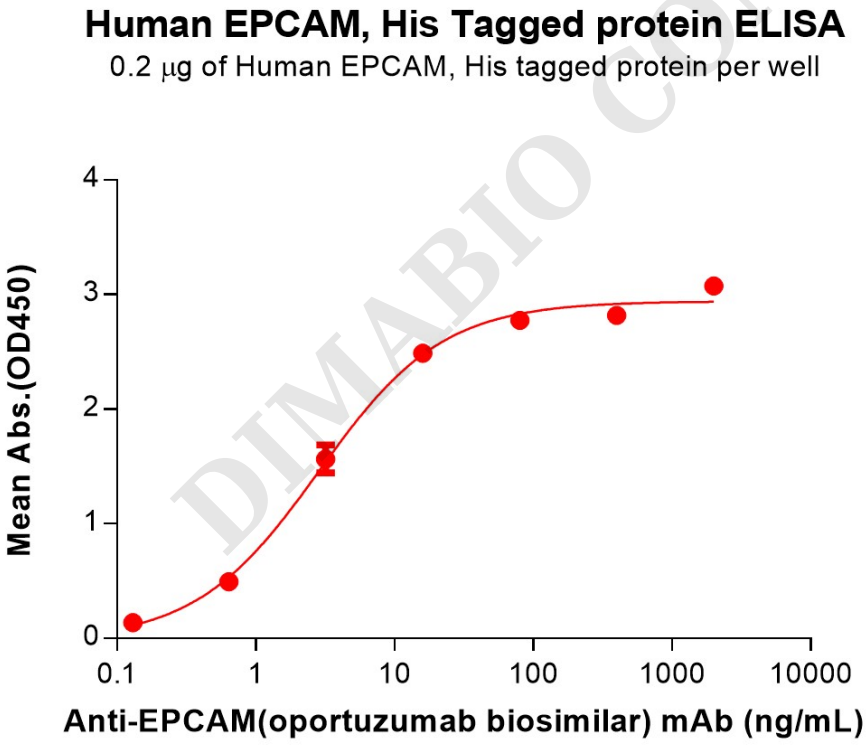


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human EPCAM Protein, His Tag (PME100068) can bind Anti-EPCAM(oportuzumab biosimilar) mAb (BME100184) in a linear range of 0.64–16 ng/mL.

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