

## PRODUCT INFORMATION

<b>Target</b>	EPCAM
<b>Synonyms</b>	EPCAM;TACSTD1;TROP1;CD326;DIARS;EGP2;EGP314;EGP40;ESA;GA733-2;HNPPCC8;HNPPCC-8;KS1/4;KSA;M451;MIC18;MK1
<b>Description</b>	Recombinant human EPCAM protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P16422
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	EPCAM(Gln24-Lys265) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 28.2 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated

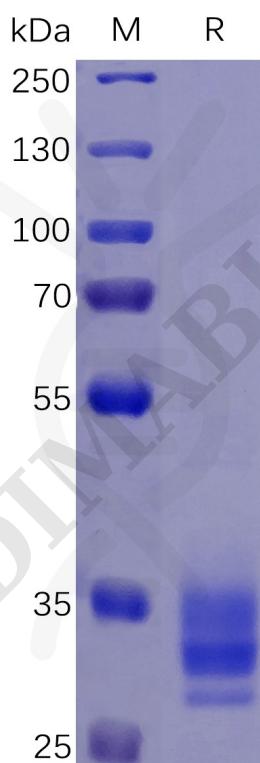


Figure 1.Human EPCAM Protein, His Tag on SDS-PAGE under reducing condition.



## Human EPCAM, His Tagged protein ELISA

0.2 µg of EPCAM, His tagged protein per well

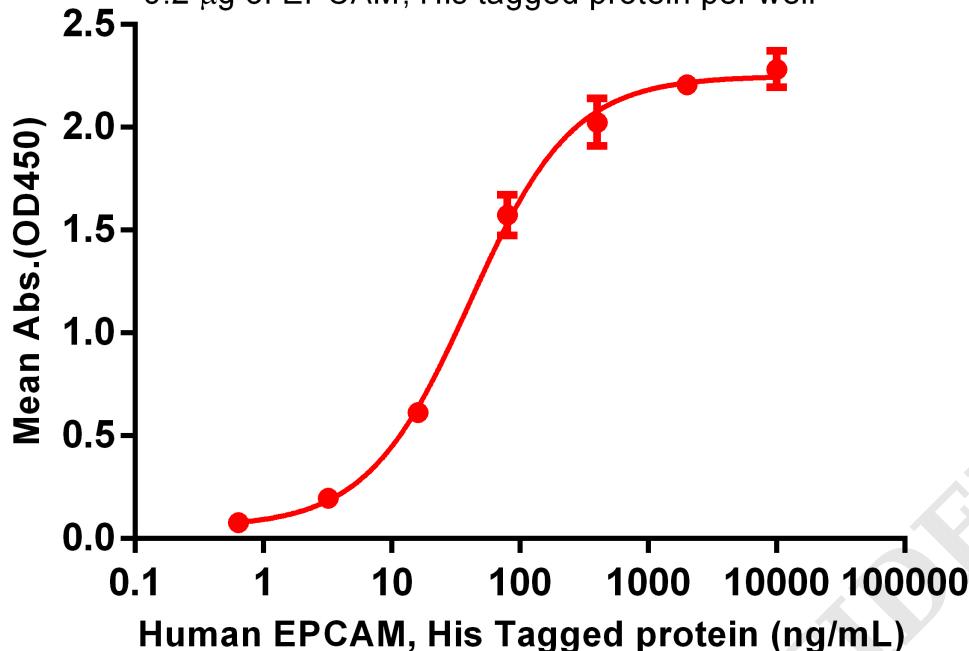


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human EPCAM Protein, His Tag (PME100068) can bind Anti-EPCAM antibody(DM147), Rabbit mAb in a linear range of 3.20-16 ng/mL.

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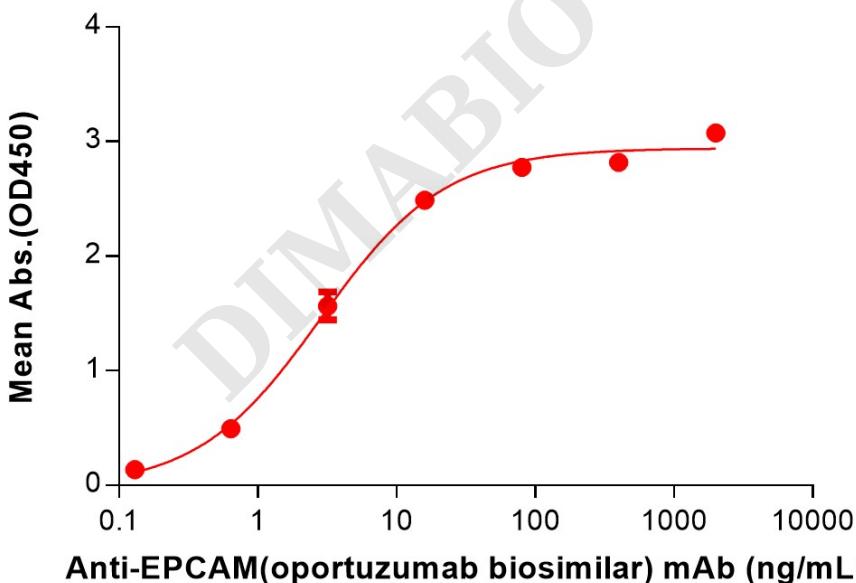


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human EPCAM Protein, His Tag (PME100068) can bind Anti-EPCAM(oportuzumab biosimilar) mAb (BME100184) in a linear range of 0.64-16 ng/mL.

