

PRODUCT INFORMATION

Clone ID	DM120
Target	CEACAM5
Synonyms	CEACAM-5;CD66e;CEA;Meconium antigen 100
Host Species	Rabbit
Description	Anti-CEACAM5 antibody(DM120); Rabbit mAb
Delivery	In Stock
Uniprot ID	P06731
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt
Recommended Dilutions	ELISA 1:5000-10000; Flow Cyt 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
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 cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally; the encoded protein may regulate differentiation; apoptosis; and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants.
Usage	Research use only



CEACAM5

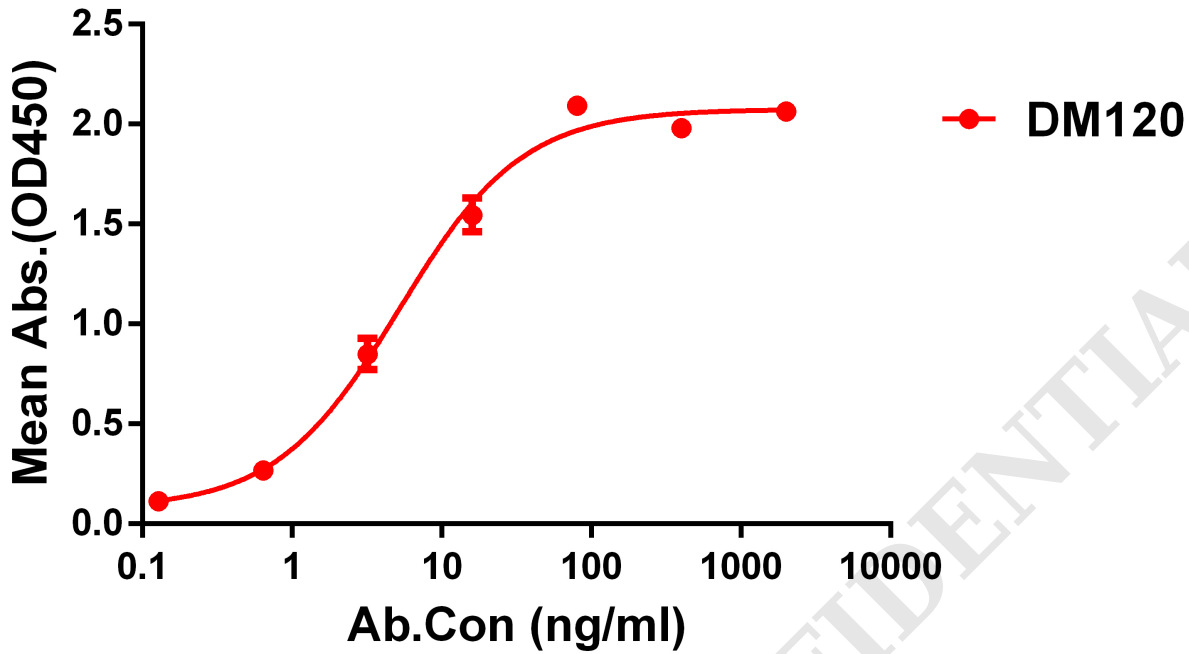


Figure 1. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human CEACAM5 protein, His tagged protein PME100071 can bind Rabbit anti-CEACAM5 monoclonal antibody (clone: DM120) in a linear range of 0.1-50 ng/ml.

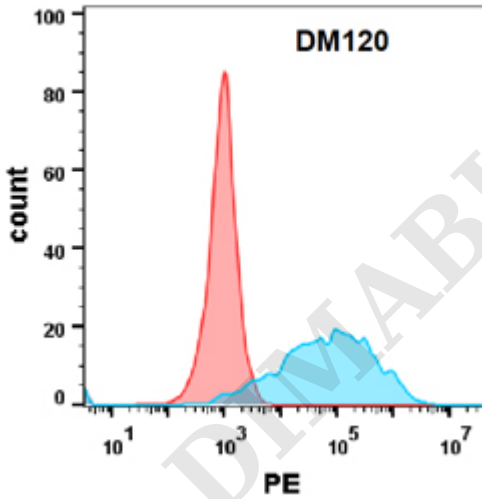


Figure 2. Flow cytometry analysis with Anti-CEACAM5 (DM120) on Expi293 cells transfected with human CEACAM5(Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



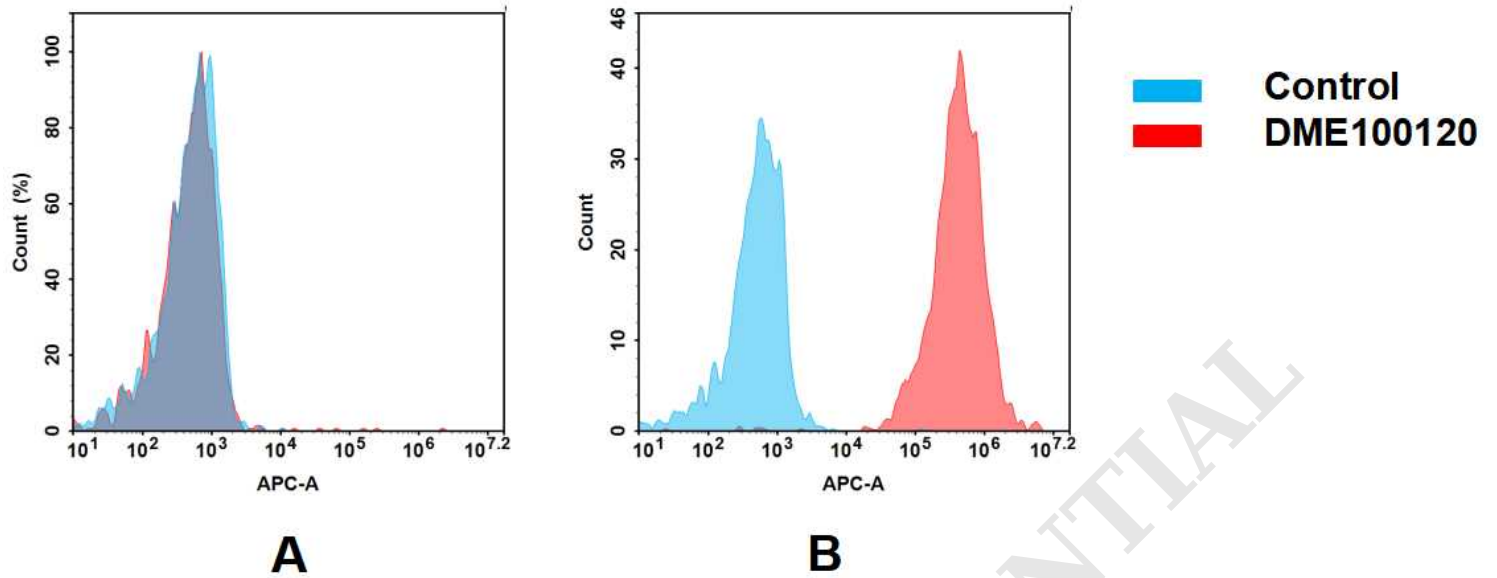


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CEACAM5 mAb(DME100120).

(A) DME100120 does not bind to 293T cells that do not express CEACAM5.

(B) A clear peak shift of DME100120 was seen compared to the control when incubated with CEACAM5-expressing HT55 cells, indicating strong binding of DME100120 to CEACAM5. Antibodies were incubated at 2 μ g/mL.

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