

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

Storage & Shipping

Background

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions**

Purified from cell culture supernatant by affinity Purification

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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.

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.

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Alternative splicing results in multiple transcript

variants.

Usage Research use only



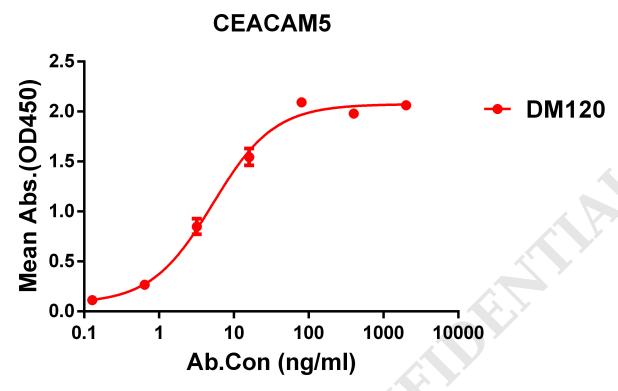


Figure 1. ELISA plate pre-coated by 1 μ g/ml (100 μ l/well) Human CEACAM5 protein, His tagged protein PME100071 can bind Rabbit anti-CEACAM5 monoclonal antibody (clone: DM120) in a linear range of 0.1-50 ng/ml.

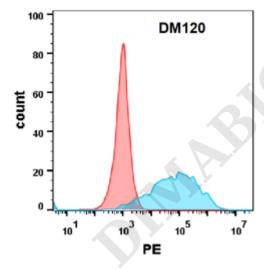


Figure 2. Flow cytometry analysis with Anti-CEACAM5 (DM120) on Expi293 cells transfected with human CEACAM5(Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

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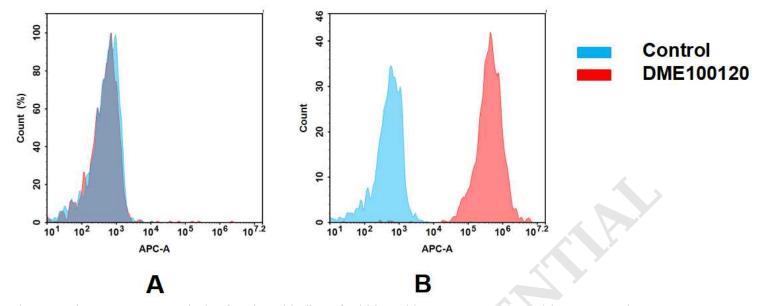


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CEACAM5 mAb(DME100120).

(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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