

## CEACAM5 (DM122) RABBIT MAB

**Cat.#:** 28467

**Product Name:** Anti-CEACAM5(DM122) Rabbit Monoclonal Antibody

**Synonyms:** CEACAM-5;CD66e;CEA;Meconium antigen 100

**Description:** Anti-CEACAM5 antibody(DM122) Rabbit Monoclonal Antibody

**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.

**Applications:** ELISA; Flow Cyt

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

**Host Species:** Rabbit

**Isotype:** Rabbit IgG

**Purification:** Purified from cell culture supernatant by affinity chromatography

**Species Reactivity:** Human CEACAM5

**Constituents:** Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at  $-80^{\circ}\text{C}$  (Avoid repeated freezing and thawing).

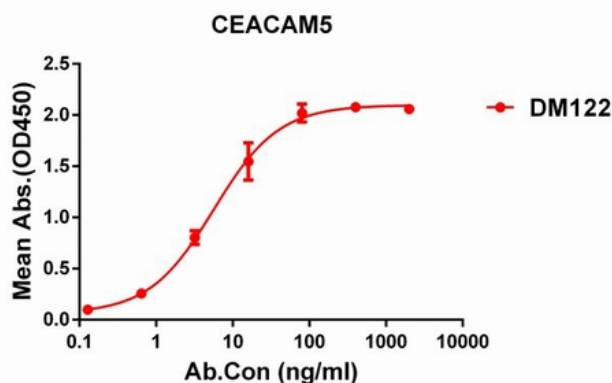


Figure 1. ELISA plate pre-coated by  $1\ \mu\text{g}/\text{ml}$  ( $100\ \mu\text{l}/\text{well}$ ) Human CEACAM5 protein, His tagged protein 11194 can bind Rabbit anti-CEACAM5 monoclonal antibody (clone: DM122) in a linear range of 0.1-50 ng/ml.

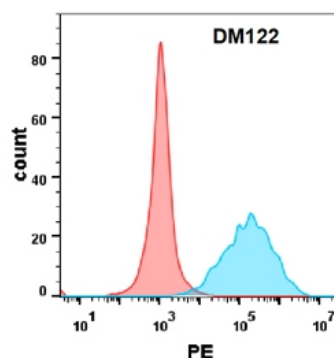


Figure 2. Flow cytometry analysis with Anti-CEACAM5 (DM122) on Expi293 cells transfected with human CEACAM5 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).