

PRODUCT INFORMATION

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| Clone ID | DM121 |
| Target | CEACAM5 |
| Synonyms | CEACAM-5;CD66e;CEA;Meconium antigen 100 |
| Host Species | Rabbit |
| Description | Anti-CEACAM5 antibody(DM121); 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 |
| Conjugate | Unconjugated |



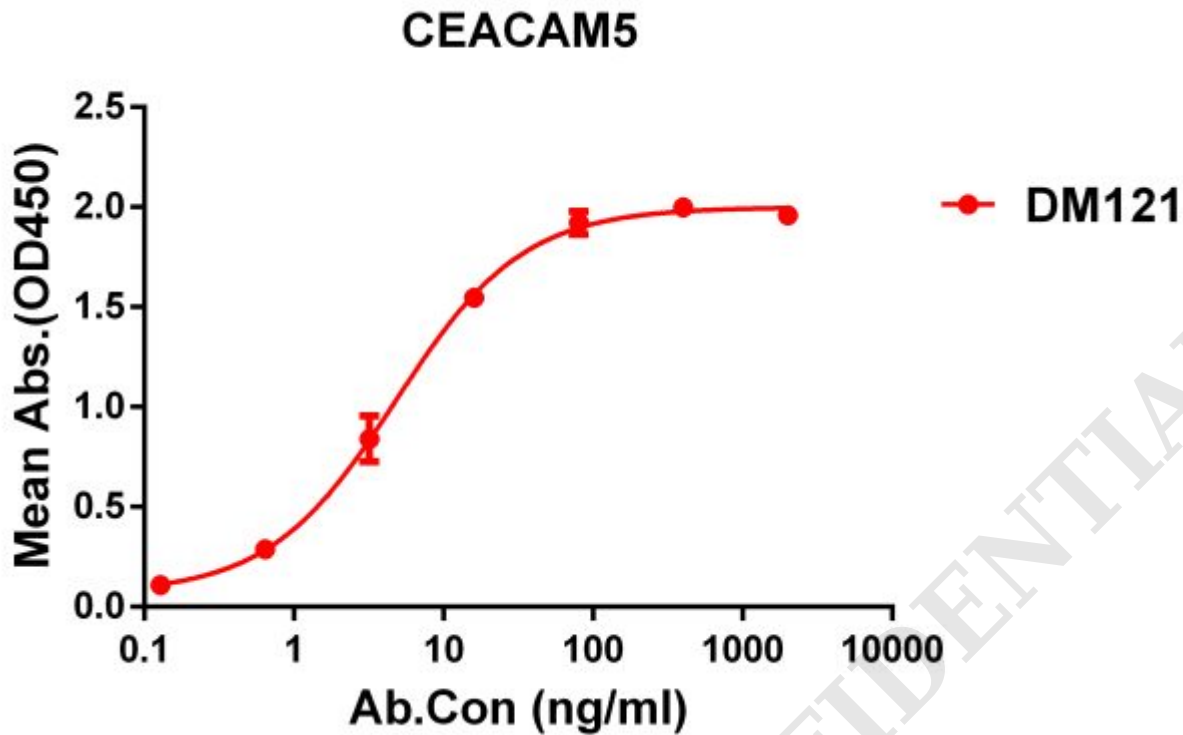


Figure 1. ELISA plate pre-coated by 1 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) Human CEACAM5 protein, His tagged protein ([getskuurl sku="PME100071"]) can bind Rabbit anti-CEACAM5 monoclonal antibody (**clone: DM121**) in a linear range of 0.1-50 ng/ml.

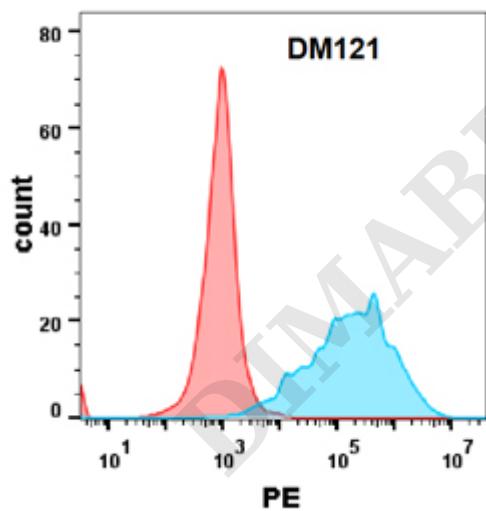


Figure 2. Flow cytometry analysis with Anti-CEACAM5 (**DM121**) on Expi293 cells transfected with human CEACAM5(Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

