



Product Datasheet
CD66de (CEACAM3/5) monoclonal antibody (APC)
Catalogue Code: AGIM0170

Antibody Data

Product SKU:	AGIM0170	Clone	308/3-3
Applications:	FC	Conjugate	APC
Reactivity:	Human		

Immunogen Information:

Host Species: Mouse

Isotype: IgG1 kappa

Storage: Store at 4 °C. Avoid prolonged exposure to light

Background:

CD66e, also known as CEACAM5 (Carcinoembryonal Antigen (CEA)-related Cell Adhesion Molecule 5), is a glycosyl phosphatidyl inositol- (GPI-) anchored glycoprotein. CEACAM5 and related genes make up the CEA family belonging to the immunoglobulin superfamily. CD66e is involved in cell adhesion. Additionally it serves as pathogen receptor (e.g. *Helicobacter pylori*, *Neisseria*, *Moraxella*, *Candida albicans*). Antibodies to CEACAM5 are commonly used in immunohistochemistry to identify cells expressing the glycoprotein in tissue samples. However, CEACAM5 is also found in serum where it can be used as a tumor marker. In adults, CEACAM5 is primarily expressed in epithelia of the gastrointestinal tissue often together with CEACAM1, CEACAM6 and CEACAM7. CD66d (CEACAM3) is TM-anchored glycoprotein with signalling properties* and also serves as pathogen receptor. In adults it is expressed in granulocytes together with CEACAM1, CEACAM6 and CEACAM8.