



Product Datasheet  
**CD66e (CEACAM5) monoclonal antibody  
(APC)**  
Catalogue Code: AGIM0174

## Antibody Data

<b>Product SKU:</b>	AGIM0174	<b>Clone</b>	3E10-3
<b>Applications:</b>	FC	<b>Conjugate</b>	APC
<b>Reactivity:</b>	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*). Immunologically they are characterized as members of the CD66 cluster of differentiation. 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. Most antibodies to CEACAM5 tend to have some degree of cross-reactivity with other CEACAMs but 3E10-3 binds solely to CEACAM5.