

## Anti-CEACAM1 Antibody-APC (4V352)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	APC
Clone:	4V352
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of anti-Human CEACAM1 on HT29 cells.
Application:	FCM
Recommended	2 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human CEACAM1 / CD66a protein (TMPY-00717)
Antigen Species:	Human
Synonyms:	BGP;carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein);CD66a; BGP1;CEACAM-1;BGPI
Biology Area:	Cancer Drug Targets, ITIM/ITAM Immunoreceptors and Related Molecules

## Research Background

The carcinoembryonic-antigen-related cell-adhesion molecule (CEACAM) family of proteins has been implicated in various intercellular-adhesion and intracellular-signalling-mediated effects that govern the growth and differentiation of normal and cancerous cells. CEACAM1, also known as biliary glycoprotein I (BGP I) and CD66a, is a member of the carcinoembryonic antigen (CEA) gene family which belongs to the immunoglobulin superfamily. The highly glycosylated CEACAM1 contains one N-terminal V-type Ig-like domain and three C2-type Ig-like domains within its ECD, and one ITIM motif and a calmodulin binding site in the cytoplasmic region. CEACAM1 is a surface glycoprotein expressed on various blood cells, epithelial cells, and vascular cells. It was described as an adhesion molecule mediating cell adhesion via both homophilic and heterophilic manners, and was detected on leukocytes, epithelia, and endothelia. Studies have revealed that CEACAM1 performs actions in multiple cellular processes including tissue differentiation, angiogenesis, apoptosis, metastasis, as well as the modulation of innate and adaptive immune responses.

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