BioVision 03/17 For research use only

Anti-CEACAM1 Antibody

CATALOG NO: A1291-100

ALTERNATIVE NAMES: Carcinoembryonic Antigen Related Cell Adhesion Molecule 1,

CD66a Antigen, BGP1, BGP, Biliary Glycoprotein 1, Antigen CD66

AMOUNT: 100 μg

IMMUNOGEN: A1/B-domains of CEACAM1

MOLECULAR WEIGHT: 90 kDa

HOST/ISOTYPE: Mouse IgG1 kappa

CLONE: B3-17

SPECIES REACTIVITY: Human

SPECIFICITY: No cross reactivity with mouse and rat CEACAM

FORM: Liquid

STORAGE CONDITIONS: For long term storage store at -20°C in small aliquots to prevent

freeze-thaw cycles

DESCRIPTION: Carcinoembryonic antigen related cell adhesion molecules

(CEACAM) (CD66a) belong to the immunoglobulin superfamily. They are highly glycosylated proteins with the typical N-terminal variable Ig-like domain followed by 0-6 constant Ig-like domains. A hydrophobic transmembrane domain with a cytoplasmic tail anchors CEACAM1 to the cell membrane. CEACAM1 is known as an epithelial tumour suppressor and an angiogenic growth factor.

APPLICATION: Western Blot: 10 μg; ELISA: 3 μg, IHC: 10 μg, IF: 10 μg

Note: This information is only intended as a guide. The

optimal dilutions must be determined by the user.

250

Α

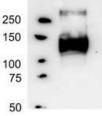


Fig A. Western blot analysis using CEACAM1 Monoclonal Antibody at 10 µg/ml

В

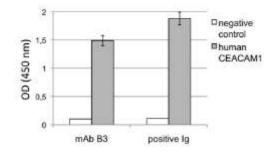




Fig B. Sandwich ELISA: solid phase was coated with 3 μ g/ml Anti-CEA binding human CEACAM1-CEACAM8. After washing, blocking and coating human CEACAM1 antigen, detecting antibody Anti-CEACAM1 (10 μ g/ml) followed by HRP-coupled goat anti-mouse Ig was added.

Fig C. IHC: IHC of human jejunum using Anti-CEACAM1 (10 μg/ml) developed with DAB-staining procedure. Dark line indicated by arrows shows CEACAM1 expression.

Fig D. IF: Fluorescence microscopy applying Anti-CEACAM1 (10 $\mu g/ml$) for the staining of HT29 cells.

RELATED PRODUCTS

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- Human CellExp™CEACAM6/CD66c, human recombinant (Cat. No. 7837-10, -50)
- Anti-CEACAM1 Antibody (Cat. No. A1290-100)

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