

CEACAM5 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2182
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CEACAM5 (AA: 35-165) expressed in E. Coli.
Mol wt	76.8kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	CEA;CD66e

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

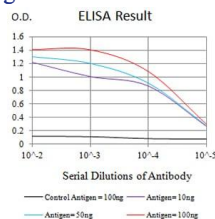
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

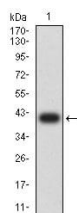
ELISA: 1:10000

Not yet tested in other applications.

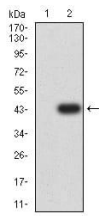
Images



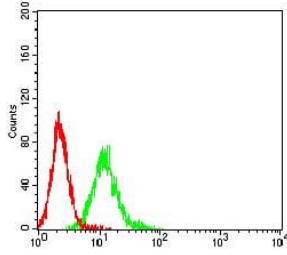
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CEACAM5 mAb against human CEACAM5 (AA: 35-165) recombinant protein. (Expected MW is 40.5 kDa)



Western blot analysis using CEACAM5 mAb against HEK293 (1) and CEACAM5 (AA: 35-165)-hlgGFc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of K562 cells using CEACAM5 mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com