

CEACAM1 monoclonal antibody (M15), clone 2F6

Catalog # : H00000634-M15

規格 : [100 ug]

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Specification

Product Description: Mouse monoclonal antibody raised against a full-length recombinant CEACAM1.

Immunogen: CEACAM1 (AAH14473.1, 1 a.a. ~ 468 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

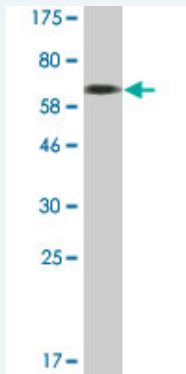
Sequence:
 MGHLSAPLHRVRVPWQGLLLTASLLTFWNPPTTAQLTTESMPFNVAEG
 KEVLLLVHNL PQQFLGYSWYKGERVDGNRQIVGYAIGTQQATPGPANS
 GRETIYPNASLLIQNVTQNDTGFYTLQVIKSDLVNEEATGQFHVYPELPKP
 SSSNNSNPVEDKDAVAFTCEPETQDTTYLWWINQSLPVSPRLQLSNG
 NRTLTL SVTRNDTGPYECEIQNPVSANRSDPVTLMVTYGPDTPPTISPSD
 TYYRPGANLSLSCYAASNPPAQYSLWINGTFQQSTQELFIPNITVNNSGS
 YTCHANNSVTGCNRTTVKTIIVTELSPVVAKPQIKASKTTVTGDKDSVNL
 CSTNDTGISIRWFFKNQSLPSSERMKLSQGNTTSLINPVKREDAGTYWC
 EVFNPISKNSDPIMLNVNYPALPQENGLSPGAIAGIVGVVALVALIAVALA
 CFLHFGKTGRTPMTHLTR

Host: Mouse

Reactivity: Human

Isotype: IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (77 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

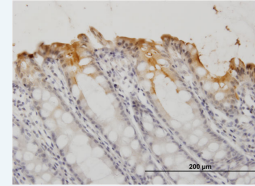
Interspecies Antigen Sequence: Mouse (54); Rat (54)

Datasheet: [Download](#)

Application Image

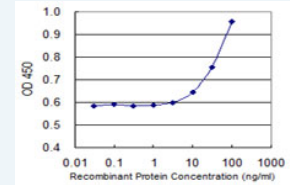
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

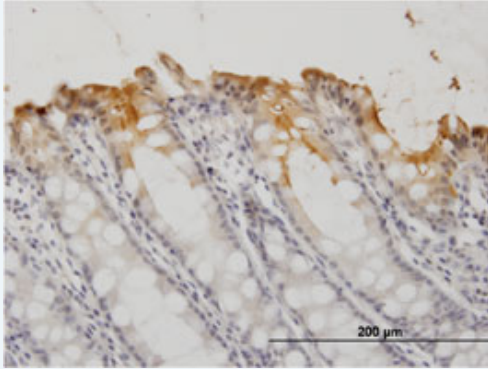
ELISA


Applications

Western Blot (Recombinant protein)

 [Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

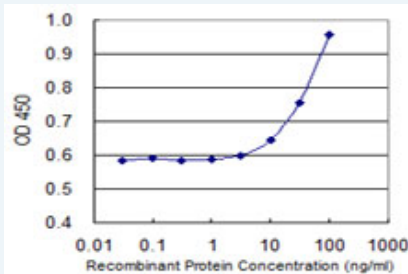


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Immunoperoxidase of monoclonal antibody to CEACAM1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged CEACAM1 is 3 ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [634](#)

GeneBank [BC014473](#)

Accession#:

Protein [AAH14473.1](#)

Accession#:

Gene Name: CEACAM1

Gene Alias: BGP,BGP1,BGPI

Gene Description: carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)

Omim ID: [109770](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The

encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of only two has been determined. [provided by RefSeq]

Other CD66a antigen,antigen CD66,biliary glycoprotein adhesion
Designations: molecule,carcinoembryonic antigen-related cell adhesion molecule 1

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