Product datasheet

Anti-CEA/CEACAM5 Antibody (Clone#C6G9)

Catalog Number: *BM0024*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-CEA/CEACAM5 Antibody (Clone#C6G9)
Gene Name	CEACAM5
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	WB, IHC
Contents	200ug/ml antibody with PBS， 0.02% NaN3 , 1mg BSA and 50% glycerol.
Immunogen	Carcinoembryonic antigen-related cell adhesion molecule 5 (CEA) isolated from a human colon adenocarcinoma cell line.
Concentration	200ug/ml
Purification	Ascites
Observed MW	130-200 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Carcinoembryonic antigen is a complex immunoreactive glycoprotein with a molecular weight of 180,000 comprising 60% carbohydrate. It is found in adenocarcinomas of endodermally derived digestive system epithelia and in fetal colon.Carcinoembryonic antigen is one of the most widely used tumor markers in serum immunoassay determinations of carcinoma.

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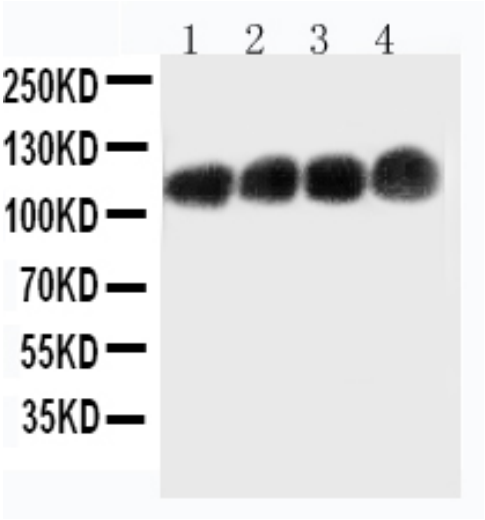
Reference

Anti-CEA/CEACAM5 Antibody (Clone#C6G9)被引用在2文献中。

Selected Validation Data



Western blot analysis of CEACAM5/Cd66e using anti-CEACAM5/Cd66e antibody (BM0024).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: Recombinant Human CEACAM5/Cd66e Protein 10ng
Lane 2; Recombinant Human CEACAM5/Cd66e Protein 5ng
Lane 3: Recombinant Human CEACAM5/Cd66e Protein 2.5ng
Lane 4: Recombinant Human CEACAM5/Cd66e Protein 1.25ng
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with mouse anti- CEACAM5/Cd66e antigen affinity purified monoclonal antibody (Catalog # BM0024) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001) with Tanon 5200 system.

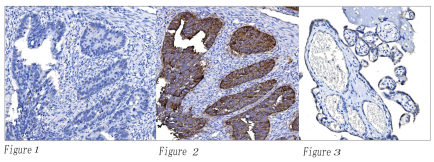


Figure 1 For the blank IHC analysis using PBS was detected in paraffin-embedded section of human colon cancer tissue ,Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen. Figure 2 Analysis of CEACAM5/Cd66e. IHC using anti-CEACAM5/Cd66e antibody (BM0024) 1:200 was detected in paraffin-embedded section of human colon

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cancer tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen. Figure 3 negative control IHC analysis of CEACAM5/Cd66e antibody (BM0024)1:200 was detected in paraffin-embedded section of human placenta tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen.