ARG62915
anti-CD66e / CEA antibody [CB30]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CB30] recognizes CD66e / CEA
Tested Reactivity	Hu
Tested Application	FACS, IHC-Fr, IHC-P, IP
Specificity	The clone CB30 recognizes CD66e (CEA; 180-200 kDa), a cell surface bound carcinoembryonic antigen mainly expressed on epithelial cells.
Host	Mouse
Clonality	Monoclonal
Clone	CB30
Isotype	IgG1
Target Name	CD66e / CEA
Species	Human
Immunogen	Human carcinoembryonic antigen (CEA; CEACAM5)
Conjugation	Un-conjugated
Alternate Names	Carcinoembryonic antigen-related cell adhesion molecule 5; CEA; CD66e; CD antigen CD66e; Carcinoembryonic antigen; Meconium antigen 100

Application Instructions

Application table

Application	Dilution
FACS	Assay-dependent
IHC-Fr	Assay-dependent
IHC-P	1:100
IP	Assay-dependent

Application Note: IHC-P: Staining technique: Standard ABC technique (DAB+). Pretreatment: 0.1% pepsin in 0.1M HCl for 30 min at RT.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: IHC-P: Adenocarcinoma of colon

Properties

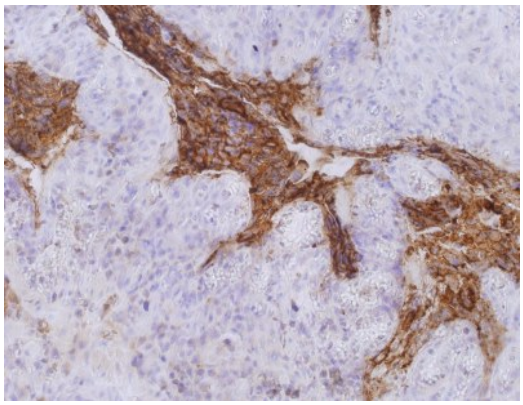
Form	Liquid
Purification	Purified from hybridoma culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)

Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

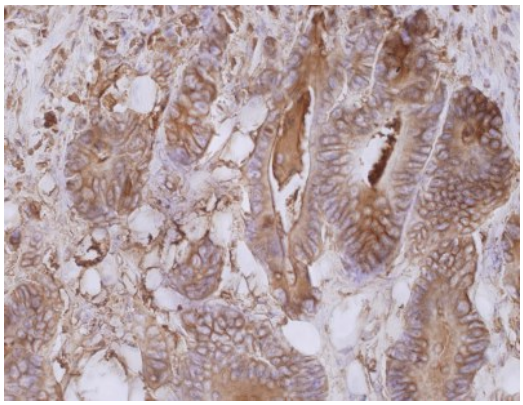
Database links	GeneID: 1048 Human Swiss-port # P06731 Human
Gene Symbol	CEACAM5
Gene Full Name	carcinoembryonic antigen-related cell adhesion molecule 5
Background	The CD66e (CEA; 180-200 kDa) is a member of carcinoembryonic antigens, immunoglobulin supergene family and consists of a single N domain (structural homology to the immunoglobulin variable) and six immunoglobulin constant-like A (A1, A2, A3) and B domains (B1, B2, B3). Human CD66e is heavily glycosylated GPI anchored protein capable of both homophilic and heterophilic adhesion. Disease relevance: The CD66e may play a role in the process of metastasis of cancer cells. CD66e is found in serum and it is clinically used as a tumor marker for early detection of disease due to its expression in adenocarcinomas - potential target of tumor imaging and drug targeting._x000D_
Function	Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins. [UniProt]
Research Area	Cancer antibody; Developmental Biology antibody; Controls and Markers antibody; Microbiology and Infectious Disease antibody
Calculated Mw	77 kDa
PTM	Complex immunoreactive glycoprotein with a MW of 180 kDa comprising 60% carbohydrate.

Images



ARG62915 anti-CD66e / CEA antibody [CB30] IHC-P image

Immunohistochemistry: Colorectal carcinoma (paraffin-embedded sections) stained with ARG62915 anti-CD66e / CEA antibody [CB30].



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