

ARG10188
anti-CD66e / CEA antibody [CEA-Y1]Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CEA-Y1] recognizes CD66e / CEA
Tested Reactivity	Hu
Tested Application	ELISA, WB
Specificity	Cross-reactivity with other human protein was not found.
Host	Mouse
Clonality	Monoclonal
Clone	CEA-Y1
Isotype	IgG1, kappa
Target Name	CD66e / CEA
Species	Human
Immunogen	Human carcinoembryonic antigen (CEA)
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 Note	ELISA: this antibody can be used as capture antibody in sandwich ELISA for quantitative detection of CEA Western Blot: 25 ng/lane of antigen can be detected when the antibody was used at 100 ng/ml. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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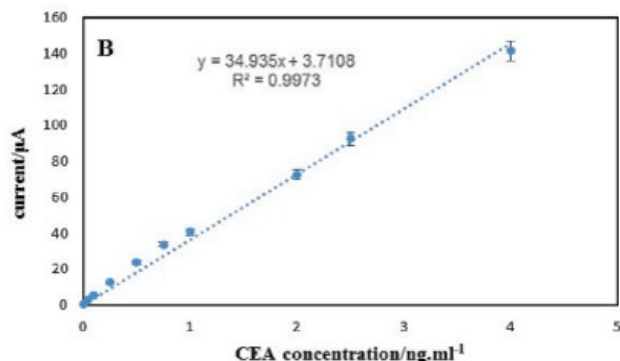
Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.0)
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	Carcinoembryonic Antigen (CEA) is a 180-200 KD glycoprotein expressed at high level in the epithelial cells of the embryonic colon. The expression is stopped after birth. CEA serum content is low in normal population and only slightly elevated in heavy smokers. Increased serum CEA level was found to be associated with colorectal carcinoma, gastric carcinoma, pancreatic carcinoma, lung carcinoma, and breast carcinoma. However elevated CEA level does not necessarily indicate neoplastic conditions. CEA level is useful for monitoring tumour recurrence after surgical resection of carcinoma.
Function	Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30066 Carcinoembryonic Antigen ELISA Antibody Duo Related products: CD66e antibodies ; CD66e ELISA Kits ; CD66e Duos / Panels ; Anti-Mouse IgG secondary antibodies ;
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



ARG10188 anti-CD66e / CEA antibody [CEA-Y1] ELISA image

ELISA: Antigen stained with ARG10188 anti-CD66e / CEA antibody [CEA-Y1].

From Ali Shamsazar et al et al. Microchemical Journal (2024), [doi: org/10.1016/j.microc.2023.109643](https://doi.org/10.1016/j.microc.2023.109643), Fig. 6.A.