

anti-human CD66e

Monoclonal Antibody CB30 to CD66e(Human)

Cat-No: **21278661**

100 µg in 100 µl

Clone: CB30

Specificity: The antibody CB30 recognizes CD66e (CEA; 180-200 kDa), a cell surface bound carcinoembryonic antigen mainly expressed on epithelial cells.

Isotype subclass: Mouse IgG1

Immunogen: Human carcinoembryonic antigen (CEA; CEACAM5)

Form: Purified from hybridoma culture supernatant by protein A-affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: PBS with 15 mM sodium azide (pH 7.4).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Flow Cytometry
Immunoprecipitation
Immunohistochemistry (frozen/paraffin)

References: □ *Gangopadhyay A and others: Cancer Res. 1996 Oct 15;56(20):4805-10.
□ *Thompson JA and others: J Clin Lab Anal. 1991;5(5):344-66. Review.
□ *Oikawa S and others: Biochem Biophys Res Commun. 1987 Jan 30;142(2):511-8.
□ *Chen CJ and others: Cancer Res. 1995 Sep 1;55(17):3873-82.

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.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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