



Carcinoembryonic Antigen (CEA)

Catalog number

C1299-870

Supplier

United States Biological

The carcinoembryonic antigen (CEA) is a member of a large family of glycoproteins and a useful tumor marker for adenocarcinoma. In the past, clinical utility of CEA antibodies in immunopathology has been limited by cross-reactivity with CEA-related antigens, particularly Non-Specific Cross-Reacting Antigen (NCA), in normal colon mucosa and human granulocytes.

Applications

Suitable for use in ELISA and Immunohistochemistry. Other applications not tested.

Recommended Dilutions

Immunohistochemistry Staining, Brightness, 80; Cytoplasmic staining, 3+; Membrane staining, 2+; Background, 2+; Staining of mucus 2+
Optimal dilutions to be determined by the researcher.

Recommended Pair

Capture: C1299-87W
Detection: C1299-870

Hybridoma

Sp2/0 myeloma cells with spleen cells from Balb/c mice.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Human natural tumor-derived purified CEA antigen

Formulation

Supplied as a liquid in 10mM Tris, pH 7.5, 0.15M sodium chloride, 0.05% sodium azide. Also available without azide. See C1299-87S.

Purity

Purified by Ion Exchange chromatography (~90% by SDS-PAGE)

Specificity

Recognizes human Carcinoembryonic Antigen epitope specificity group IVa or II. Does not crossreact with human leukocytes in cytofluorometry.

Product Type



Mab

Source

human

Isotype

IgG1

Grade

Highly Purified

Applications

E IHC

Crossreactivity

Hu

Storage

-20°C