

Product datasheet

Anti-Carcino Embryonic Antigen CEA antibody [COL-1 + CEA31 + C66/26] ab201328

1 Image

Overview

Product name	Anti-Carcino Embryonic Antigen CEA antibody [COL-1 + CEA31 + C66/26]
Description	Mouse monoclonal [COL-1 + CEA31 + C66/26] to Carcino Embryonic Antigen CEA
Host species	Mouse
Specificity	ab201328 recognizes proteins of 80-200kDa, identified as different members of CEA family. CEA is synthesized during development in the fetal gut and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. ab201328 reacts with non-specific cross-reacting antigen (NCA) and shows a cross-reaction with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues.
Tested applications	Suitable for: Flow Cyt, ICC/IF, IP, WB, IHC-P, IHC-Fr
Species reactivity	Reacts with: Human
Immunogen	<p>This product was produced with the following immunogens:</p> <p>Tissue, cells or virus corresponding to Human Carcino Embryonic Antigen CEA. Human colon carcinoma extract (COL-1 & CEA31).</p> <p>Recombinant full length protein corresponding to Human Carcino Embryonic Antigen CEA. (C66/261).</p> <p>Database link: P06731</p>
Positive control	Human colon carcinoma tissue; MCF7 or 293T cells.
General notes	<p>Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.</p> <p>Isotype - IgG2a (COL-1) + IgG1 (CEA31 & C66/261).</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide

	Constituents: 99% PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	ab201328 is purified from Bioreactor Concentrate.
Clonality	Monoclonal
Clone number	COL-1 + CEA31 + C66/26

Applications

Our [Abpromise guarantee](#) covers the use of **ab201328** in the following tested applications.

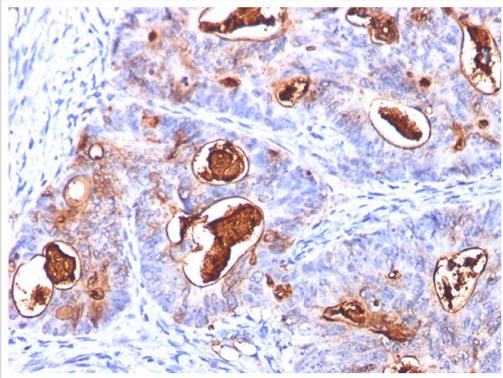
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1µg for 10 ⁶ cells.
ICC/IF		Use a concentration of 0.5 - 1 µg/ml.
IP		Use at 2-4 µg/mg of lysate.
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 80-200 kDa.
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For 30 min at RT.
IHC-Fr		Use a concentration of 0.5 - 1 µg/ml. For 30 min at RT.

Target

Function	Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins.
Tissue specificity	Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.
Sequence similarities	Belongs to the immunoglobulin superfamily. CEA family. Contains 7 Ig-like (immunoglobulin-like) domains.
Post-translational modifications	Complex immunoreactive glycoprotein with a MW of 180 kDa comprising 60% carbohydrate.
Cellular localization	Cell membrane.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human colon carcinoma tissue labeling Carcino Embryonic Antigen CEA with ab201328 at 2 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carcino Embryonic Antigen CEA antibody [COL-1 + CEA31 + C66/26] (ab201328)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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