CEA Mouse Monoclonal Antibody HRP Conjugated(5F2)

Catalog No: #C08439H

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Description

Product Name	CEA Mouse Monoclonal Antibody HRP Conjugated(5F2)
Host Species	Mouse
Clonality	Monoclonal
Clone No.	5F2
Isotype	IgG
Purification	Purified by Protein G.
Applications	WB IHC-P
Species Reactivity	Hu
Immunogen Description	KLH conjugated synthetic peptide derived from Human CEA CEACAM5
Conjugates	HRP
Target Name	CEA
Other Names	Carcino Embryonic Antigen CEA; CEACAM 5; CEACAM-5; Carcinoembryonic antigen; Carcinoembryonic antigen related cell adhesion molecule 5; CD66e; CD66e antigen; CEA; CEACAM5; DKFZp781M2392; Meconium antigen 100.
Accession No.	NCBI Gene ID1048
Concentration	1mg ml
Formulation	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% Gentamicin.
Storage	Store at 4C for 12 months.

Application Details

Western blotting: 1:100-1000Immunohistochemistry1:100-500

Background

CEA-related cell adhesion molecules (CEACAM) belong to the carcinoembryonic antigen (CEA) family. It consists of seven CEACAM (CEACAM 1, CEACAM 3-CEACAM 8) and 11 pregnancy-specific glyco-protein (PSG 1-PSG 11) members. The CEA family proteins belong to the immunoglobulin (Ig) superfamily and are composed of one Ig variable-like (IgV) and a varying number (0-6) of Ig constant-like (IgC) domains. CEACAM molecules are membrane-bound either via a transmembrane domain or a glycosyl phosphatidyl inositol (GPI) anchor. CEACAM molecules are differentially expressed in epithelial cells or in leucocytes. Over-expression of CEA CEACAM 5 in tumors of epithelial origin is the basis of its wide-spread use as a tumor marker. The function of CEACAM family members varies widely: they function as cell adhesion molecules, tumor suppressors, regulators of lymphocyte and dendritic cell activation, receptors of Neisseria species and other bacteria.