CEA Mouse Monoclonal Antibody FITC Conjugated(5F2)

Catalog No: #C08439F

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Description

Product Name	CEA Mouse Monoclonal Antibody FITC Conjugated(5F2)
Host Species	Mouse
Clonality	Monoclonal
Clone No.	5F2
Isotype	IgG
Purification	Purified by Protein G.
Applications	ICC IF
Species Reactivity	ICC IF
Immunogen Description	KLH conjugated synthetic peptide derived from Human CEA CEACAM5
Conjugates	FITC
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	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

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.