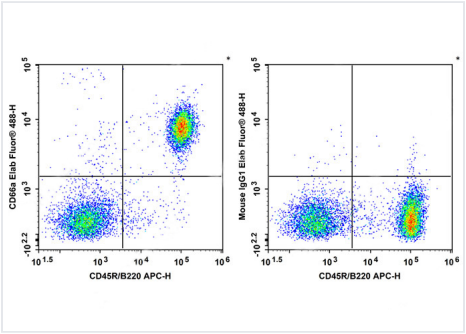
CD66A Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD66A, Antibody
Full Product Name	Fluor 488 Anti-Mouse CD66A Antibody [Mab-CC1]
Product Gene Name	anti-CD66A antibody
Product Synonym Names	CEACAM1a; Bgp
Isotype	IgG1, kappa
Clone Number	Mab-CC1
Host	Mouse
Species Reactivity	Mouse
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD66A Clone #Mab-CC1 (MBS2584684) Isotype Control: IgG1, kappa Clone #MOPC-21 (MBS2557740)
Molecular Weight	37,271 Da
3D Structure	ModBase 3D Structure for P31809
Conjugation	Fluor488
Product Categories/Family for anti-CD66A antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD66A antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD66A antibody	MBS2584684 is an antibody targeting CD66A. Also known as Fluor 488 Anti-Mouse CD66A Antibody [Mab-CC1]. Reactive in Mouse. Host: Mouse.
Other Notes	Small volumes of anti-CD66A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Flow Cytometry (FC/FACS) of anti-CD66A antibody
Staining of C57BL/6 murine splenocytes cells with APC Anti-Mouse CD45R/B220 Antibody and Fluor® 488 Anti-Mouse CD66A Antibody[Mab-CC1](left) or Fluor® 488 Mouse IgG1, ? (right). Total viable cells were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD66A. It may not necessarily be applicable to this product.

NCBI GI #	26365
NCBI GeneID	26365
NCBI Accession #	NP_001034274.1
UniProt Primary Accession #	P31809
UniProt Secondary Accession #	Q61353
UniProt Related Accession #	P31809
GenBank Nucleotide #	NM_001039185.1
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 1 isoform 1
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 1
NCBI Official Symbol	Ceacam1
NCBI Official Synonym Symbols	Bgp; Cc1; Hv2; Bgp1; Cea1; Cea7; Hv-2; MHVR; bb-1; C-CAM; CD66a; Cea-1; Cea-7; MHVR1; Mhv-1; mCEA1; mmCGM1; mmCGM2; mmCGM1a
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 1
UniProt Synonym Protein Names	Biliary glycoprotein 1
Protein Family	Carcinoembryonic antigen-related cell adhesion molecule
UniProt Gene Name	Ceacam1
UniProt Synonym Gene Names	BGP-1; MHV-R
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 1; BGP-1; MHV-R; biliary glycoprotein 1; biliary glycoprotein D; hepatitis virus receptor; carcinoembryonic antigen 1; carcinoembryonic antigen 7; murine hepatitis virus receptor; CEA-related cell ad

UniProt Comments for CD66A	CEACAM1: carcinoembryonic antigen-related cell adhesion molecule 1. A cell-cell adhesion molecule that directly associates with annexin II. Has tumor suppressor activity in prostate carcinoma. Belongs to the immunoglobulin superfamily and the CEA family. Abundantly expressed in epithelia, vessel endothelia, trophoblasts, platelets and neutrophilic granulocytes. Also present in many cell types of the immune system such as B cells, T cells, NK cells, macrophages and dendritic cells. Five alternatively spliced isoforms have been described. Two isoforms are type I membrane proteins, while three are secreted. Protein type: Cell adhesion; Immunoglobulin superfamily; Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 7 A3|7 13.84 cM Cellular Component: adherens junction; apical plasma membrane; basal plasma membrane; brush border membrane; cell junction; cell projection; cell surface; cytoplasmic vesicle; external side of plasma membrane; extracellular exosome; extracellular space; integral component of membrane; intercellular junction; lateral plasma membrane; membrane; plasma membrane; T cell receptor complex Molecular Function: actin binding; bile acid transmembrane transporter activity; calmodulin binding; filamin binding; granulocyte colony-stimulating factor receptor binding; kinase binding; protein binding; protein dimerization activity; protein homodimerization activity; protein kinase binding; protein phosphatase binding; viral receptor activity; virion binding Biological Process: blood vessel development; calcium-dependent cell-cell adhesion via plasma membrane cell adhesion molecules; calcium-independent cell-cell adhesion via plasma membrane cell-adhesion molecules; cell-cell junction organization; entry of virus into host cell; granulocyte colony-stimulating factor signaling pathway; homophilic cell adhesion; insulin catabolic process; negative regulation by host of viral process; negative regulation of bone resorption; negative regulation of cytokine production; negative regulation of granulocyte differentiation; negative regulation of hepatocyte proliferation; negative regulation of interleukin-1 production; negative regulation of interleukin-2 production; negative regulation of JNK cascade; negative regulation of lipid biosynthetic process; negative regulation of natural killer cell mediated cytotoxicity directed against tumor cell target; negative regulation of osteoclast differentiation; negative regulation of platelet aggregation; negative regulation of protein kinase activity; negative regulation of T cell proliferation; negative regulation of vascular permeability; Peyer's patch development; positive regulation by host of viral process; positive regulation of CD4-positive, alpha-beta T cell activation; positive regulation of CD4-positive, alpha-beta T cell proliferation; positive regulation of CD8-positive, alpha-beta T cell activation; positive regulation of immunoglobulin secretion; positive regulation of JNK cascade; positive regulation of MAP kinase activity; positive regulation of NFAT protein import into nucleus; positive regulation of T cell proliferation; positive regulation of vasculogenesis; regulation of endothelial cell differentiation; regulation of endothelial cell migration; regulation of epidermal growth factor receptor signaling pathway; viral process
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