

Mouse CD227 Monoclonal Antibody | anti-CD227 antibody

MOUSE ANTI HUMAN CD227

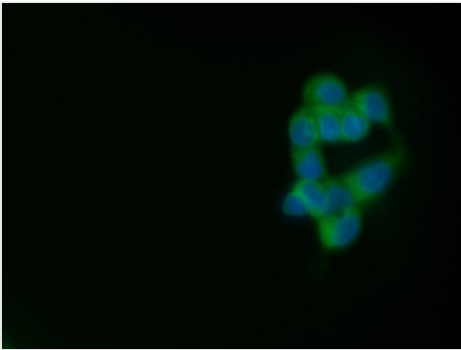
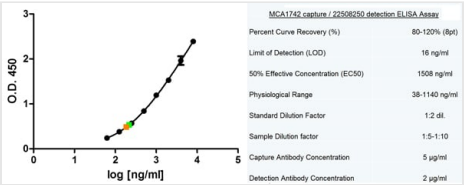
CATALOG #	HOST	APPLICATIONS
AAA49291	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

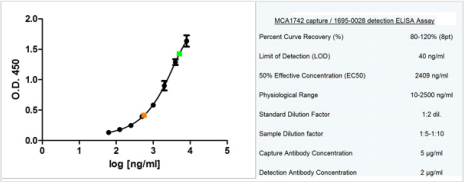
CD227; Monoclonal Antibody; MOUSE ANTI HUMAN CD227; anti-CD227 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Clone Number	C595 (NCRC48)
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	259
Applicable Applications for anti-CD227 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide Preparation
Histology Positive Control Tissue	Breast carcinoma Buffer Solution
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



Application Data
Immunofluorescence staining of MCF-7 cells with Mouse anti Human CD227:FITC (green), nuclei are counterstained with DAPI (blue)



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Immunofluorescence staining of MCF-7 cells with Mouse anti Human CD227:FITC (green), nuclei are counterstained with DAPI (blue)

Application Data
Sandwich ELISA analysis of CD227 expression using Mouse anti Human CD227, clone C595 as a capture reagent and biotinylated Mouse anti Human CD227, clone 6A4 as a detection reagent with purified breast cancer antigen as antigen for the generation of the standard curve. Detection is by HRP conjugated streptavidin and substrate. Microtitre plate is read at O.D. 450 nm on the iMark Microplate Absorbance Reader. Plasma and serum samples diluted 1:5 are indicated in green and orange respectively

Application Data
Sandwich ELISA analysis of CD227 expression using Mouse anti Human CD227, clone C595 as a capture reagent and biotinylated Mouse anti Human CD227, clone VU-4H5 as a detection reagent with purified breast cancer antigen as antigen for the generation of the standard curve. Detection is by HRP conjugated streptavidin and substrate. Microtitre plate is read at O.D. 450 nm on the iMark Microplate Absorbance Reader . Plasma and serum samples diluted 1:5 are indicated in green and orange respectively

ADDITIONAL INFORMATION

Related Product Information for anti-CD227 antibody	Mouse anti Human CD227 antibody, clone C595 (NCRC48) recognizes CD227, also known as mucin 1 which is a breast cancer associated mucin encoded by the Muc-1 gene. Mucins are a family of high molecular weight, heavily glycosylated proteins (glycoconjugates) produced by many epithelial tissues in vertebrates. CD227 is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. This protein is overexpressed abundantly in >90% breast carcinomas and metastases. Mouse anti Human CD227 antibody, clone C595 recognizes the peptide epitope ARG-PRO-ALA-PRO within the protein core of the mucin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67189007
NCBI GeneID	4582
NCBI Accession #	NP_001018016.1
NCBI GenBank Nucleotide #	NM_001018016.2
UniProt Accession #	P15941; P13931; P15942; P17626; A5YRV1; A6ZID9; A6ZIE0; B1AVQ8; B1AVR0; B6ECA1; E7ESE5; E7EUG9
Molecular Weight	28,297 Da
NCBI Official Full Name	mucin-1 isoform 2
NCBI Official Synonym Full Names	mucin 1, cell surface associated
NCBI Official Symbol	MUC1
NCBI Official Synonym Symbols	EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; CD227; H23AG; MCKD1; MUC-1; ADMCKD; ADMCKD1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC

NCBI Protein Information	mucin-1; DF3 antigen; H23 antigen; Medullary cystic kidney disease, autosomal dominant; breast carcinoma-associated antigen DF3; cancer antigen 15-3; carcinoma-associated mucin; episialin; krebs von den Lungen-6; mucin 1, transmembrane; peanut-reactive urinary mucin; polymorphic epithelial mucin; tumor associated epithelial mucin; tumor-associated epithelial membrane antigen
UniProt Protein Name	Mucin-1
UniProt Gene Name	MUC1
UniProt Synonym Gene Names	PUM; MUC-1; CA 15-3; KL-6; PUM; PEM; EMA; MUC1-NT; MUC1-alpha; MUC1-beta
UniProt Entry Name	MUC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd227-antibody-clone-c595-ncrc48-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/49291>