

Human Cell surface glycoprotein MUC18 ELISA Kit | MCAM elisa kit

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CATALOG #
AAA99461

REACTIVITY
Human

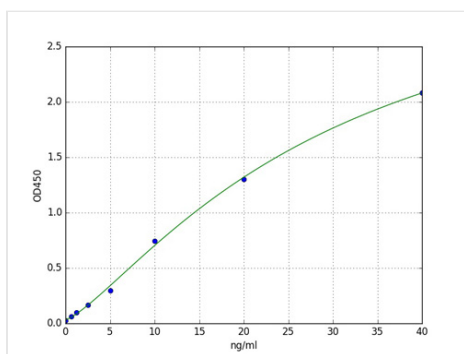
PRODUCT SYNONYMS

Cell surface glycoprotein MUC18; Human Cell surface glycoprotein MUC18 ELISA Kit; MCAM/Melanoma Cell Adhesion Molecule/S-endo 1 endothelial-associated antigen/Melanoma-associated antigen MUC18/Melanoma-associated antigen A32/Cell surface glycoprotein P1H12/Melanoma cell adhesion molecule/MUC18; MCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	646
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a MCAM ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.009	0.092	0.185	0.439	0.568	0.914	1.692	2.531

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCAM elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MCAM antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MCAM antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MCAM amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MCAM can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71274107
NCBI GeneID	4162
NCBI Accession #	NP_006491.2
NCBI GenBank Nucleotide #	NM_006500.2
Molecular Weight	57,605 Da
NCBI Official Full Name	cell surface glycoprotein MUC18
NCBI Official Synonym Full Names	melanoma cell adhesion molecule
NCBI Official Symbol	MCAM
NCBI Official Synonym Symbols	CD146; MUC18
NCBI Protein Information	cell surface glycoprotein MUC18
UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Gene Name	MCAM
UniProt Synonym Gene Names	MUC18
UniProt Entry Name	MUC18_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mcam-human-elisa-kits/cell-surface-glycoprotein-muc18/99461>