

Human CD47 ELISA Kit | CD47 elisa kit

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CATALOG #
AAA263029

REACTIVITY
Human

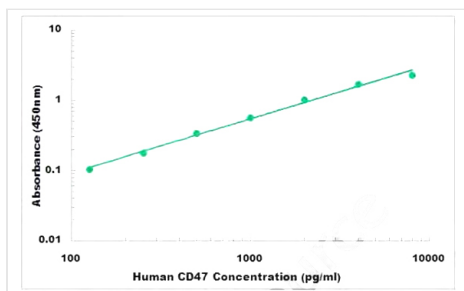
PRODUCT SYNONYMS

CD47; Human CD47 ELISA Kit; MER6; Leukocyte surface antigen CD47; Antigenic surface determinant protein OA3; Integrin-associated protein; IAP; Protein MER6; CD47 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD47 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD47 proteins within the range of 125 pg/ml - 8000 pg/ml.
Sequence Length	323
Samples	Culture Supernates, Serum
Sensitivity	< 10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD47 elisa kit

Background: CD47 (Cluster of Differentiation 47), also known as integrin associated protein (IAP), is a transmembrane protein that in humans is encoded by the CD47 gene. It belongs to the immunoglobulin superfamily and partners with membrane integrins and also binds the ligands thrombospondin-1 (TSP-1) and signal-regulatory protein alpha (SIRPalpha). CD47 is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. Furthermore, it plays a key role in immune and angiogenic responses. Also CD47 is ubiquitously expressed in human cells and has found to be overexpressed in many different tumor cells.

Principle of the Assay: The AAA Biotech' Human CD47 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD47 in Cell Culture Supernates, Serum. This assay employs an antibody specific for Human CD47 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD47 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD47 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD47 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502673
NCBI GeneID	961
NCBI Accession #	NP_001768.1
NCBI GenBank Nucleotide #	NM_001777.3
UniProt Accession #	Q08722; Q53Y71; Q96A60; A8K198; D3DN59
Molecular Weight	33,845 Da
NCBI Official Full Name	leukocyte surface antigen CD47 isoform 1
NCBI Official Synonym Full Names	CD47 molecule
NCBI Official Symbol	CD47
NCBI Official Synonym Symbols	IAP; OA3; MER6
NCBI Protein Information	leukocyte surface antigen CD47
UniProt Protein Name	Leukocyte surface antigen CD47
UniProt Gene Name	CD47
UniProt Synonym Gene Names	MER6; IAP
UniProt Entry Name	CD47_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://www.aaabiotech.com/human-elisa-kits/cd47/263029>