

Mouse CD47 molecule ELISA Kit | CD47 elisa kit

Mouse Leukocyte surface antigen CD47, CD47 ELISA Kit

CATALOG #
AAA112422

REACTIVITY
Mouse

PRODUCT SYNONYMS

CD47 molecule; Mouse Leukocyte surface antigen CD47; CD47 ELISA Kit; Mouse Leukocyte surface antigen CD47 (CD47) ELISA kit; IAP; MER6; OA3; CD47 antigen; CD47 antigen (Rh-related antigen; integrin-associated signal transducer) ; CD47 glycoprotein; Rh-related antigen; antigen identified by monoclonal antibody 1D8; antigenic sur; CD47 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse CD47. No significant cross-reactivity or interference between mouse CD47 and analogues was observed.
Sequence Length	324
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%.Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

ADDITIONAL INFORMATION

Related Product Information for CD47 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CD47 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CD47 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD47 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CD47 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754382
NCBI GeneID	16423
NCBI Accession #	NP_034711.1
NCBI GenBank Nucleotide #	NM_010581.3
UniProt Accession #	Q61735; Q921Z2

Molecular Weight	33,098 Da
NCBI Official Full Name	leukocyte surface antigen CD47
NCBI Official Synonym Full Names	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)
NCBI Official Symbol	Cd47
NCBI Official Synonym Symbols	IAP; Itgp; AA407862; AI848868; AW108519; 9130415E20Rik; B430305P08Rik
NCBI Protein Information	leukocyte surface antigen CD47; Rh-related antigen; integrin-associated protein
UniProt Protein Name	Leukocyte surface antigen CD47
UniProt Gene Name	Cd47
UniProt Synonym Gene Names	IAP
UniProt Entry Name	CD47_MOUSE

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/mouse-elisa-kits/cd47-molecule/112422>