

Guinea Pig Leukocyte surface antigen CD47 (CD47) ELISA Kit | CD47 elisa kit

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CATALOG #
AAA246544

REACTIVITY
Guinea Pig

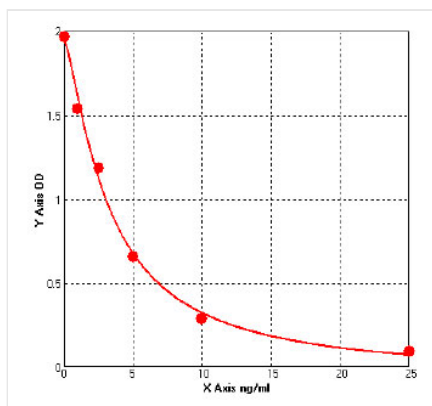
PRODUCT SYNONYMS

Leukocyte surface antigen CD47 (CD47); Guinea pig Leukocyte surface antigen CD47 (CD47) ELISA Kit; CD47 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of CD47. No significant cross-reactivity or interference between CD47 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD47 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD47 elisa kit	Principle of the Assay: CD47 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD47 antibody and an CD47-HRP conjugate. The assay sample and buffer are incubated together with CD47-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD47 concentration since CD47 from samples and CD47-HRP conjugate compete for the anti-CD47 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD47 from the sample, fewer sites are left to bind CD47-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD47 concentration in each sample is interpolated from this standard curve. Intended Uses: This CD47 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig CD47. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CD47 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	38683836
NCBI GeneID	961
NCBI Accession #	NP_942088.1
NCBI GenBank Nucleotide #	NM_198793.2
Molecular Weight	33,845 Da
NCBI Official Full Name	leukocyte surface antigen CD47 isoform 2
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; CD47 glycoprotein; Rh-related antigen; integrin associated protein; integrin-associated protein; integrin-associated signal transducer; antigenic surface determinant protein OA3; antigen identified by monoclonal antibody 1D8; CD47 antigen (Rh-related antigen, integrin-associated signal transducer)
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://stage.aaabiotech.com/guinea-pig-pig-elisa-kits/leukocyte-surface-antigen-cd47-cd47/246544>