

Rat CD97 ELISA Kit | CD97 elisa kit

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CATALOG #
AAA86028

REACTIVITY
Rat

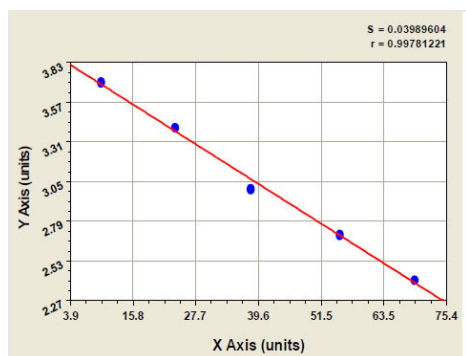
PRODUCT SYNONYMS

CD97; Rat CD97 ELISA Kit; CD97 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This CD97 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CD97. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD97 elisa kit

Principle of the assay: CD97 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD97 antibody and an CD97-HRP conjugate. The assay sample and buffer are incubated together with CD97-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 CD97 concentration since CD97 from samples and CD97-HRP conjugate compete for the anti-CD97 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD97 from the sample, fewer sites are left to bind CD97-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD97 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CD97 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	68508955
NCBI GeneID	976
NCBI Accession #	NP_001020331.1
NCBI GenBank Nucleotide #	NM_001025160.2
Molecular Weight	86,628 Da
NCBI Official Full Name	CD97 antigen isoform 3 preproprotein
NCBI Official Synonym Full Names	CD97 molecule
NCBI Official Symbol	CD97
NCBI Official Synonym Symbols	TM7LN1
NCBI Protein Information	CD97 antigen; leukocyte antigen CD97; seven-span transmembrane protein; seven transmembrane helix receptor; seven-transmembrane, heterodimeric receptor associated with inflammation
UniProt Protein Name	CD97 antigen
UniProt Gene Name	CD97
UniProt Entry Name	CD97_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/rat-elisa-kits/cd97/86028>