

Mouse CMRF35-like molecule 8 (CD300A) ELISA Kit | CD300A elisa kit

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CATALOG #
AAA245432

REACTIVITY
Mouse

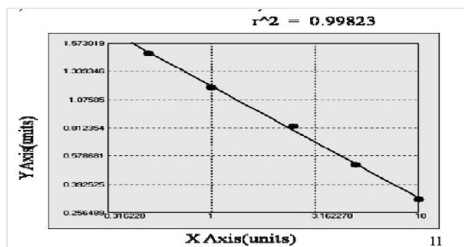
PRODUCT SYNONYMS

CMRF35-like molecule 8 (CD300A); Mouse CMRF35-like molecule 8 (CD300A) ELISA Kit; CD300A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CD300A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CD300A. 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 CD300A elisa kit

Principle of the assay: CD300A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD300A antibody and an CD300A-HRP conjugate. The assay sample and buffer are incubated together with CD300A-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 CD300A concentration since CD300A from samples and CD300A-HRP conjugate compete for the anti-CD300A antibody binding site. Since the number of sites is limited, as more sites are occupied by CD300A from the sample, fewer sites are left to bind CD300A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD300A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CD300A elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	56550061
NCBI GeneID	11314
NCBI Accession #	NP_009192.2
NCBI GenBank Nucleotide #	NM_007261.3
Molecular Weight	16,517 Da
NCBI Official Full Name	CMRF35-like molecule 8 isoform 1
NCBI Official Synonym Full Names	CD300a molecule
NCBI Official Symbol	CD300A
NCBI Official Synonym Symbols	IRC1; IRC2; CLM-8; IRp60; IGSF12; CMRF35H; CMRF-35H; CMRF35-H; CMRF35H9; CMRF35-H9; IRC1/IRC2; CMRF-35-H9
NCBI Protein Information	CMRF35-like molecule 8; CD300a antigen; NK inhibitory receptor; leukocyte membrane antigen; inhibitory receptor protein 60; CD300 antigen-like family member A; immunoglobulin superfamily member 12; CMRF35H leukocyte immunoglobulin-like receptor
UniProt Protein Name	CMRF35-like molecule 8
UniProt Gene Name	CD300A
UniProt Synonym Gene Names	CMRF35H; IGSF12; HSPC083; CLM-8; CMRF35-H9; IgSF12; IRp60
UniProt Entry Name	CLM8_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/mouse-elisa-kits/cmrf35-like-molecule-8-cd300a/245432>