

Human CMRF35 like molecule 2 (CD300E) ELISA Kit | CD300E elisa kit

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CATALOG #
AAA244537

REACTIVITY
Human

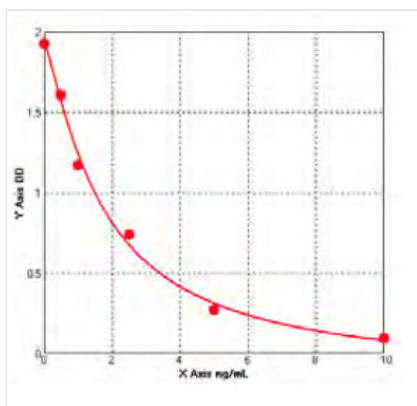
PRODUCT SYNONYMS

CMRF35 like molecule 2 (CD300E); Human CMRF35 like molecule 2 (CD300E) ELISA Kit; CD300E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CD300E. No significant cross-reactivity or interference between CD300E and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD300E 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 CD300E elisa kit	Principle of the Assay: CD300E ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CD300E antibody and an CD300E-HRP conjugate. The assay sample and buffer are incubated together with CD300E-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 CD300E concentration since CD300E from samples and CD300E-HRP conjugate compete for the anti-CD300E antibody binding site. Since the number of sites is limited, as more sites are occupied by CD300E from the sample, fewer sites are left to bind CD300E-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD300E concentration in each sample is interpolated from this standard curve. Intended Uses: This CD300E ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD300E. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CD300E elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	304571943
NCBI GeneID	342510
NCBI Accession #	NP_852114.2
NCBI GenBank Nucleotide #	NM_181449.2
Molecular Weight	22,918 Da
NCBI Official Full Name	CMRF35-like molecule 2
NCBI Official Synonym Full Names	CD300e molecule
NCBI Official Symbol	CD300E
NCBI Official Synonym Symbols	CLM2; CLM-2; IREM2; PlgR2; IREM-2; PlgR-2; CD300LE; CMRF35-A5
NCBI Protein Information	CMRF35-like molecule 2; CD300e antigen; poly-Ig receptor 2; CD300 antigen like family member E; CD300 antigen-like family member E; polymeric immunoglobulin receptor 2; immune receptor expressed on myeloid cells 2
UniProt Protein Name	CMRF35-like molecule 2
UniProt Gene Name	CD300E
UniProt Synonym Gene Names	CD300LE; CLM2; CMRF35A5; IREM2; CLM-2; IREM-2; PlgR-2; PlgR2; Poly-Ig receptor 2
UniProt Entry Name	CLM2_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.