

Mouse Cluster of differentiation 100 ELISA Kit | CD100 elisa kit

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CATALOG #
AAA84464

REACTIVITY
Mouse

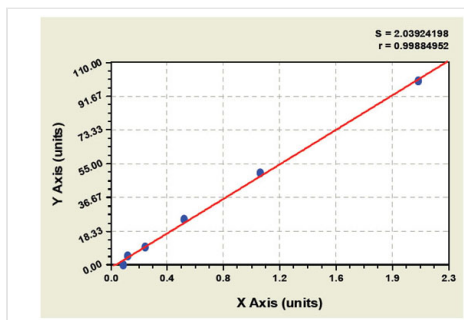
PRODUCT SYNONYMS

Cluster of differentiation 100; Mouse Cluster of differentiation 100 ELISA Kit; CD100 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD100 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CD100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CD100. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CD100 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CD100. Standards or samples are then added to the microtiter plate wells and CD100 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CD100 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CD100 are added to each well to “sandwich” the CD100 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme e(HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CD100 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD100 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD100 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	214010218
NCBI GeneID	10507
NCBI Accession #	NP_006369.3
NCBI GenBank Nucleotide #	NM_006378.3
Molecular Weight	82,164 Da
NCBI Official Full Name	semaphorin-4D isoform 1
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
NCBI Official Symbol	SEMA4D
NCBI Official Synonym Symbols	CD100; SEMAJ; coll-4; C9orf164; M-sema-G
NCBI Protein Information	semaphorin-4D; A8; GR3; BB18; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, 4D
UniProt Protein Name	Semaphorin-4D
UniProt Gene Name	SEMA4D
UniProt Synonym Gene Names	C9orf164; CD100; SEMAJ
UniProt Entry Name	SEM4D_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.