

Guinea Pig Cluster of differentiation 100 ELISA Kit | CD100 elisa kit

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CATALOG #
AAA87672

REACTIVITY
Guinea Pig

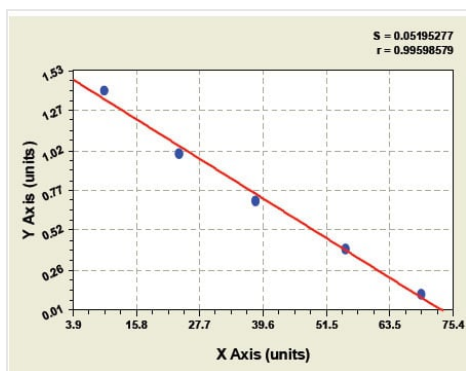
PRODUCT SYNONYMS

Cluster of differentiation 100; Guinea pig Cluster of differentiation 100 ELISA Kit; CD100 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 CD100 elisa kit

For Samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

Intended Uses: This CD100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig CD100. This ELISA kit for research use only!

Principle of the Assay: CD100 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD100 antibody and an CD100-HRP conjugate. The assay sample and buffer are incubated together with CD100-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 CD100 concentration since CD100 from samples and CD100-HRP conjugate compete for the anti-CD100 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD100 from the sample, fewer sites are left to bind CD100-HRP conjugate. 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

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.