

Mouse Cluster of Differentiation 68 ELISA Kit | CD68 elisa kit

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CATALOG #
AAA86006

REACTIVITY
Mouse

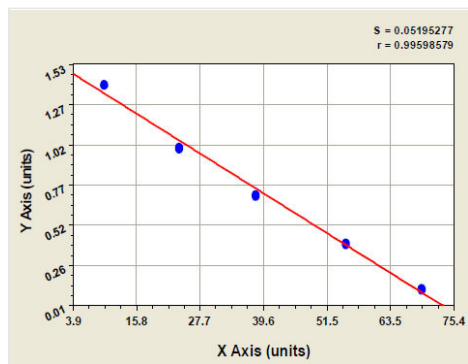
PRODUCT SYNONYMS

Cluster of Differentiation 68; Mouse Cluster of Differentiation 68 ELISA Kit; CD68 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This CD68 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CD68. 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 CD68 elisa kit

Principle of the assay: CD68 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD68 antibody and an CD68-HRP conjugate. The assay sample and buffer are incubated together with CD68-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 CD68 concentration since CD68 from samples and CD68-HRP conjugate compete for the anti-CD68 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD68 from the sample, fewer sites are left to bind CD68-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD68 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	298665
NCBI GeneID	968
Molecular Weight	34,654 Da
NCBI Official Full Name	CD68
NCBI Official Synonym Full Names	CD68 molecule
NCBI Official Symbol	CD68
NCBI Official Synonym Symbols	GP110; LAMP4; SCARD1
NCBI Protein Information	macrosialin; CD68 antigen; macrophage antigen CD68; scavenger receptor class D, member 1
UniProt Protein Name	Macrosialin
UniProt Gene Name	CD68
UniProt Entry Name	CD68_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/cd68-mouse-elisa-kits/cluster-of-differentiation-68/86006>