

Canine Cluster of Differentiation 68 ELISA Kit | CD68 elisa kit

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CATALOG #
AAA96142

REACTIVITY
Canine

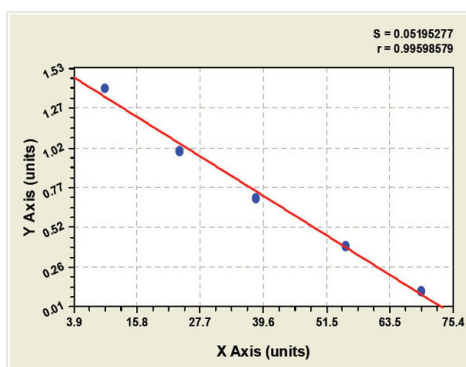
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 CD68 elisa kit

Intended Uses: This CD68 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD68. This ELISA kit for research use only!

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.

Product Categories/Family for CD68 elisa kit

Immunology

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-canine-elisa-kits/cluster-of-differentiation-68/96142>