

Canine intercellular adhesion molecule 3 ELISA Kit | ICAM-3 elisa kit

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CATALOG #
AAA93678

REACTIVITY
Canine

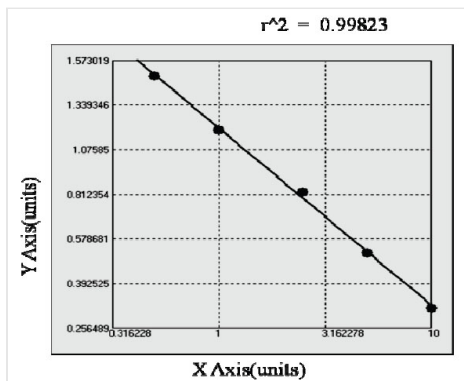
PRODUCT SYNONYMS

intercellular adhesion molecule 3; Canine intercellular adhesion molecule 3 ELISA Kit; ICAM-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/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 ICAM-3 elisa kit

Intended Uses: This ICAM-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ICAM-3. This ELISA kit for research use only!

Principle of the Assay: ICAM-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ICAM-3 antibody and an ICAM-3-HRP conjugate. The assay sample and buffer are incubated together with ICAM-3-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 ICAM-3 concentration since ICAM-3 from samples and ICAM-3-HRP conjugate compete for the anti-ICAM-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ICAM-3 from the sample, fewer sites are left to bind ICAM-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ICAM-3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466207
NCBI GeneID	3385
NCBI Accession #	NP_002153.2
NCBI GenBank Nucleotide #	NM_002162.3
Molecular Weight	59,541 Da
NCBI Official Full Name	intercellular adhesion molecule 3
NCBI Official Synonym Full Names	intercellular adhesion molecule 3
NCBI Official Symbol	ICAM3
NCBI Official Synonym Symbols	CD50; CDW50; ICAM-R
NCBI Protein Information	intercellular adhesion molecule 3; ICAM-3; intercellular adhesion molecule-3
UniProt Protein Name	Intercellular adhesion molecule 3
UniProt Gene Name	ICAM3
UniProt Synonym Gene Names	ICAM-3
UniProt Entry Name	ICAM3_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.