

Canine Intercellular Adhesion Molecule 1 (ICAM1) ELISA Kit | ICAM1 elisa kit

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CATALOG #
AAA20591

REACTIVITY
Canine

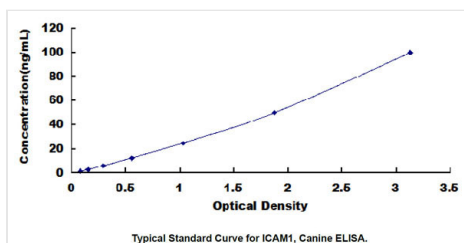
PRODUCT SYNONYMS

Intercellular Adhesion Molecule 1 (ICAM1); Canine Intercellular Adhesion Molecule 1 (ICAM1) ELISA Kit; CD54; BB2; P3.58; Human Rhinovirus Receptor; Major group rhinovirus receptor; ICAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of ICAM1. No significant cross-reactivity or interference between ICAM1 and analogues was observed.
Sequence Length	532
Assay Type	Quantitative Sandwich
Samples	Canine serum, plasma, tissue homogenates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.64ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ICAM1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ICAM1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ICAM1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ICAM1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ICAM1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ICAM1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ICAM1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ICAM1 in canine serum, plasma, tissue homogenates and other biological fluids.
Product Categories/Family for ICAM1 elisa kit	CD & Adhesion molecule; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466198
NCBI GeneID	3383
NCBI Accession #	NP_000192.2
NCBI GenBank Nucleotide #	NM_000201.2
UniProt Accession #	P05362; Q5NKV7; Q96B50; B2R6M3
Molecular Weight	57,825 Da
NCBI Official Full Name	intercellular adhesion molecule 1
NCBI Official Synonym Full Names	intercellular adhesion molecule 1
NCBI Official Symbol	ICAM1
NCBI Official Synonym Symbols	BB2; CD54; P3.58
NCBI Protein Information	intercellular adhesion molecule 1
UniProt Protein Name	Intercellular adhesion molecule 1
UniProt Gene Name	ICAM1
UniProt Synonym Gene Names	ICAM-1
UniProt Entry Name	ICAM1_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.