

Rat intercellular adhesion molecule 1 ELISA Kit | ICAM-1/CD54 elisa kit

Rat intercellular adhesion molecule 1 ELISA Kit

CATALOG #
AAA86599

REACTIVITY
Rat

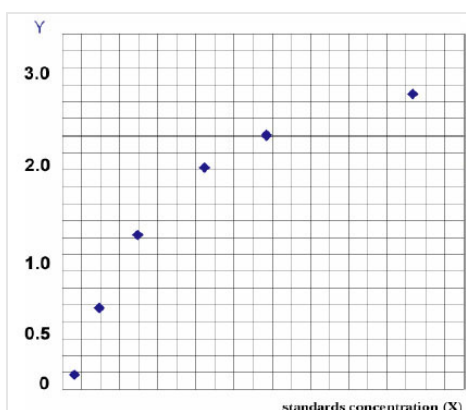
PRODUCT SYNONYMS

intercellular adhesion molecule 1; Rat intercellular adhesion molecule 1 ELISA Kit; intercellular adhesion molecule 1 (Rat); ICAM-1/CD54 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ICAM-1/CD54 elisa kit

Intended Uses: This ICAM-1 ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of ICAM-1 in the sample, this ICAM-1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus ICAM-1 concentration. The concentration of ICAM-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This ICAM-1 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for ICAM-1. Standards or samples are then added to the microtiter plate wells and ICAM-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ICAM-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ICAM-1 are added to each well to "sandwich" the ICAM-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ICAM-1 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

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; O00177; Q14601; Q15463; Q5NKV8; Q99930
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; ICAM-1; human rhinovirus receptor; cell surface glycoprotein P3.58; major group rhinovirus receptor; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor
UniProt Protein Name	Intercellular adhesion molecule 1
UniProt Gene Name	ICAM1
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.

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Online datasheet: <https://www.aaabiotech.com/icam-1-cd54-rat-elisa-kits/intercellular-adhesion-molecule-1/86599>