

Rat Intercellular Adhesion Molecule 1 (ICAM1) CLIA Kit | ICAM1 clia kit

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CATALOG # AAA188938	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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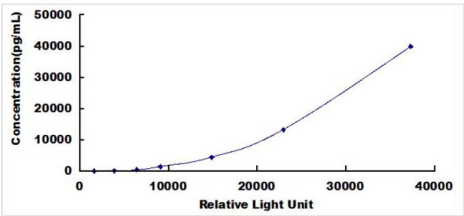
PRODUCT SYNONYMS

Intercellular Adhesion Molecule 1 (ICAM1); Rat Intercellular Adhesion Molecule 1 (ICAM1) CLIA Kit; Intercellular Adhesion Molecule 1; CD54; BB2; P3.58; Human Rhinovirus Receptor; Major group rhinovirus receptor; ICAM1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Intercellular Adhesion Molecule 1 (ICAM1). No significant cross-reactivity or interference between Intercellular Adhesion Molecule 1 (ICAM1) and analogues was observed.
Sequence Length	545
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	54.9-40,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 24.7pg/mL
Applicable Applications for ICAM1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Intercellular Adhesion Molecule 1 (ICAM1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Intercellular Adhesion Molecule 1 (ICAM1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Intercellular Adhesion Molecule 1 (ICAM1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Intercellular Adhesion Molecule 1 (ICAM1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Intercellular Adhesion Molecule 1 (ICAM1) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981068
NCBI GeneID	25464
NCBI Accession #	NP_037099.1
NCBI GenBank Nucleotide #	NP_037099.1
UniProt Accession #	Q00238
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	CD54; ICAM
NCBI Protein Information	intercellular adhesion molecule 1
UniProt Protein Name	Intercellular adhesion molecule 1
UniProt Gene Name	Icam1
UniProt Synonym Gene Names	Icam-1; ICAM-1
UniProt Entry Name	ICAM1_RAT

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/rat-clia-kits/intercellular-adhesion-molecule-1-icam1/188938>