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Datasheet for ABIN6719826

ICAM1 ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	ICAM1
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Lysates
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: BB2, CD 54, CD54, CD54 antigen, Cell surface glycoprotein P3.58, Human rhinovirus receptor, ICAM 1, Intercellular adhesion molecule 1, Major group rhinovirus receptor, MALA2, MGC6195, MyD10, P3.58, Surface antigen of activated B cells</p> <p>Background: Intercellular adhesion molecule-1(ICAM-1) is an integral membrane protein, a member of the immunoglobulin superfamily, and a ligand for lymphocyte function-associated(LFA) antigens, a beta 2 leukocyte integrin. The normal function of human intercellular adhesion molecule-1(ICAM-1) is to provide adhesion between endothelial cells and leukocytes after injury or stress. ICAM-1 binds to leukocyte function-associated antigen(LFA-1)</p>

Product Details

or macrophage-1 antigen(Mac-1). ICAM-1 is found on leukocytes, fibroblasts, epithelial cells and endothelial cells and its expression is regulated by inflammatory cytokines. ICAM-1 has a tissue distribution similar to that of the major histocompatibility complex class II antigens and is likely to play a role in inflammatory responses. The standard product used in this kit is produced by recombinant gene expression, which is a dimeric protein linked with disulfide bonds. The single chain is Gln28-Asn 485. It has 457 amino acids with the molecular mass of 76.8 kDa. As a result of glycosylation, the molecular mass of 110-130KDa is revealed by SDS-PAGE.

Gene Name: ICAM1

Production: Natural and recombinant mouse sICAM-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q28-N485

Target Details

Target:	ICAM1
Alternative Name:	ICAM-1 (ICAM1 Products)
Target Type:	Viral Protein
Gene ID:	15894
NCBI Accession:	NP_034623
UniProt:	P13597
Pathways:	Cellular Response to Molecule of Bacterial Origin , Regulation of Actin Filament Polymerization , Carbohydrate Homeostasis , Regulation of Leukocyte Mediated Immunity , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse ICAM-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernatants, serum, plasma(heparin, EDTA) or tissue lysates to each empty well. It is recommended that each mouse ICAM-1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p>
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Application Details

ELISA Dilution: 156pg/mL-10000pg/mL

Sample Volume: 100 μ L

Plate: Pre-coated

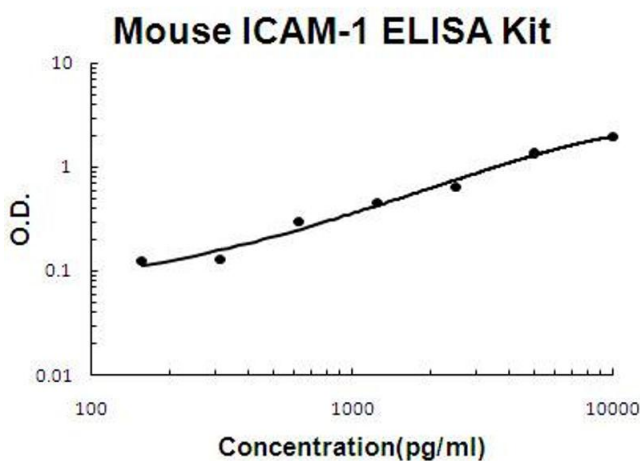
Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse ICAM-1 Accusignal ELISA Kit Mouse ICAM-1 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.