

Recombinant Rat Intercellular Adhesion Molecule 1

Cat. No. Icam1-1793R **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Rat
Source	Mammalian Cells
Description	Intercellular adhesion molecule-1 (ICAM-1) is one of an important cell adhesion molecules (CAMs) family transmembrane glycoprotein and is critical for the firm arrest and transmigration of leukocytes out of blood vessels and into tissues. ICAM-1 is constitutively present on endothelial cells, but its expression is increased by proinflammatory cytokines. ICAM-1 is a marker of endothelial dysfunction leading to damaging vascular disorders, in umbilical and placental vascular tissue of gestational pregnancies.
Molecular Weight	The predicted molecular weight of Recombinant Rat ICAM-1 is Mr 78 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 110-125 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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20°Cto -70°C. After aseptic reconstitution, this protein may be stored at 2°Cto 8°Cfor one month or at -20°Cto -70°Cin a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Icam1 intercellular adhesion molecule 1 [Rattus norvegicus]
Synonyms	Icam1; intercellular adhesion molecule 1; CD54; ICAM; cell adhesion molecule; ligand for leukocyte adhesion molecule LFA-1
Gene ID	25464
mRNA Refseq	NM_012967
Protein Refseq	NP_037099
UniProt ID	Q00238
Chromosome Location	8q13
Pathway	Cell adhesion molecules (CAMs); Leukocyte transendothelial migration; Natural killer cell mediated cytotoxicity
Function	integrin binding; protein binding

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