

## Icam1 (Rat) ELISA Kit

Catalog # KA0346      Size 1 Kit

### Specification

<b>Product Description</b>	Icam1 (Rat) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of rat Icam1.
<b>Suitable Sample</b>	Cell Culture Supernatant, Plasma (EDTA, Heparin), Serum
<b>Sample Volume</b>	100 uL
<b>Label</b>	HRP-conjugated
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Quantitative
<b>Calibration Range</b>	31.2 to 2000 pg/mL
<b>Reactivity</b>	Rat
<b>Regulation Status</b>	For research use only (RUO)
<b>Storage Instruction</b>	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

### Applications

- Quantification

### Gene Info — Icam1

<b>Entrez GenelD</b>	<a href="#">25464</a>
<b>Gene Name</b>	Icam1
<b>Gene Alias</b>	CD54, ICAM

Gene Description	intercellular adhesion molecule 1
Gene Ontology	<a href="#">Hyperlink</a>
Other Designations	-

## Publication Reference

- [Depression induced by chronic stress leads to penile cavernosal dysfunction: protective effect of anti-TNF- \$\alpha\$  treatment.](#)

Demirtaş Şahin T, Yazır Y, Utkan T, Gacar G, Halbutogulları ZS, Gocmez SS.

Canadian Journal of Physiology and Pharmacology 2018 Sep; 96(9):933.

Application: ELISA, Rat, Serum

- [TNF- \$\alpha\$  antagonism with etanercept enhances penile NOS expression, cavernosal reactivity, and testosterone levels in aged rats.](#)

Demirtaş Şahin T, Yazır Y, Utkan T, Gacar G, Furat Rençber S, Gocmez SS.

Canadian Journal of Physiology and Pharmacology 2017 Dec; 20:1.

Application: Quant, Rst, Rat serum

- [Effect of consumption of fresh and heated virgin coconut oil on the blood pressure and inflammatory biomarkers: An experimental study in Sprague Dawley rats.](#)

Hamsi MA, Othman F, Das S, Kamisah Y, Thent ZC, Saad Qodriyah HM, Zakaria Z, Emran A, Subermaniam K, Jaarin K.

Alexandria Journal of Medicine 2015 Mar; 51(1):53.

Application: ELISA, Rat, Plasma

- [Atypical antipsychotics such as risperidone, but not paliperidone, worsen vascular endothelial function via upregulation of adhesion molecules VCAM-1, ICAM-1, and E-selectin in diabetic rats.](#)

Aboul-Fotouh S, Elgayar N.

Canadian Journal of Physiology and Pharmacology 2013 Dec; 91(12):1119.

Application: ELISA, Rat, Aortic tissue

- [The structure of the two amino-terminal domains of human ICAM-1 suggests how it functions as a rhinovirus receptor and as an LFA-1 integrin ligand.](#)

Bella J, Kolatkar PR, Marlor CW, Greve JM, Rossmann MG.

PNAS 1998 Apr; 95(8):4140.

- [Assignment of the gene for intercellular adhesion molecule-1 \(Icam-1\) to proximal mouse chromosome 9.](#)

Ballantyne CM, Kozak CA, O'Brien WE, Beaudet AL.

Genomics 1991 Mar; 9(3):547.

- [ICAM, an adhesion ligand of LFA-1, is homologous to the neural cell adhesion molecule NCAM.](#)

Simmons D, Makgoba MW, Seed B.

Nature 1988 Feb; 331(6157):624.