

Icam1 (Rat) ELISA Kit

Catalog # KA0346

Size 1 Kit

Specification

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

Applications

- Quantification

Gene Info — Icam1

Entrez GeneID	25464
Gene Name	Icam1
Gene Alias	CD54, ICAM

Gene Description	intercellular adhesion molecule 1
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

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

Demirtaş Şahin T, Yazir Y, Utkan T, Gacar G, Halbutoğulları 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, Yazir 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.