

## Product datasheet for **EA100246**

### ICAM1

#### Product data:

Product Type:	ELISA Kits
Description:	Rat ICAM-1 ELISA Kit
Size:	1 x 96 wells
Assay Type:	Sandwich ELISA kit of Quantitative Detection for Rat ICAM-1
Assay Length:	3.5 hours incubations; 1 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	31.2pg/ml-2000pg/ml
Sample Type:	Cell culture supernates, serum and plasma(heparin, EDTA).
Sample Volume:	100 ul
Specificity:	This kit is used for quantitative detection of rat ICAM-1
Sensitivity:	<2pg/ml
Reactivity:	Rat
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none"><li>● 96-well plate precoated with anti- rat ICAM-1 antibody 1</li><li>● Lyophilized recombinant rat ICAM-1 standard 10ng/tubex2</li><li>● Biotinylated anti- rat ICAM-1 antibody 130ul(dilution 1:100)</li><li>● Avidin-Biotin-Peroxidase Complex(ABC) 130ul(dilution 1:100)</li><li>● Sample diluent buffer 30ml</li><li>● Antibody diluent buffer 12ml</li><li>● ABC diluent buffer 12ml</li><li>● TMB color developing agent 10ml</li><li>● TMB stop solution 10ml</li></ul>



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**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) 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.

**Gene Symbol:**

ICAM1

**Gene ID:**

3383