

Rabbit anti-Human ICAM-1 mAb(CAP)

Catalog No.: RM18057

Basic Information

Catalog No.
RM18057

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.1% Bredas MB-1, PH 7.4.

Contact

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Background

Intercellular Adhesion Molecule 1 (ICAM-1), also known as CD54, is a nearly ubiquitous transmembrane glycoprotein that plays a key role in leukocyte migration and activation. Human ICAM-1 contains five Ig-like domains in its extracellular domain (ECD) and associates into non-covalently linked dimers. Soluble forms of monomeric and dimeric ICAM-1 (sICAM-1) can be generated via proteolytic cleavage by cathepsin G, elastase, MMP-9, MMP-14/MT1-MMP, and TACE/ADAM17. In the mouse, alternate splicing generates isoforms that lack particular Ig-like domains and are differentially sensitive to proteolysis. Within the ECD, human ICAM-1 shares 53% amino acid sequence identity with mouse and rat ICAM-1. The principal binding partners of ICAM-1 are the leukocyte integrins LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18). The multivalency of dimeric ICAM-1 increases its strength of interaction with LFA-1. ICAM-1 also binds several non-integrin ligands including CD43/sialophorin, fibrinogen, hyaluronan, rhinoviruses, and Plasmodium falciparum-infected erythr...

Immunogen Information

Immunogen
Recombinant Human ICAM-1

Cross-Reactivity

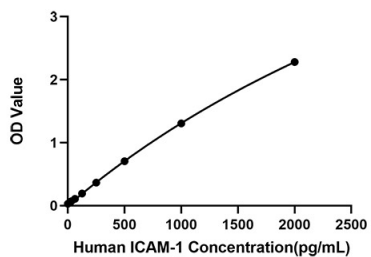
No cross-reactivity in ELISA assay with recombinant Human Galectin 1, Human sE-selectin, Human P-selectin, Human VCAM-1, Mouse.VCAM-1

Assay Applications

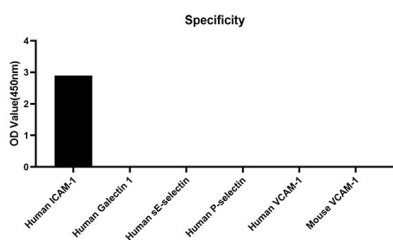
Human ICAM-1 Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Human ICAM-1 mAb(CAP)(Cat. No.RM18057)
ELISA Detection	0.01-0.04ug/mL	Rabbit anti-Human ICAM-1 mAb(DET)(Cat. No.RM18058)
Standard	31.25-2000pg/mL	Recombinant Human ICAM-1 Protein

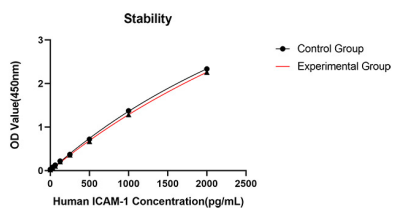
Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



No significant cross-reactivity or interference was observed.



Placed at 37°C for 3 days, the stability of the standard curve all conform to CV <10%.