

Human ICAM-1 Antibody Pair Set

Catalog No. E-KAB-0033

Applications

ELISA

Synonyms CD54

Kit components & Storage

Title	Specifications	Storage
Human ICAM-1 Capture Antibody	1 vial, 100 µg	Store at -20℃. Avoid freeze/thaw cycles.
Human ICAM-1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

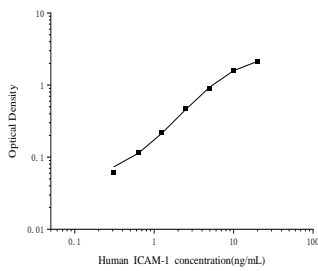
Product Information

Items		Characteristic (E-KAB-0033)	
		Human ICAM-1 Capture Antibody	Human ICAM-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ICAM-1 protein	Recombinant Human ICAM-1 protein
	Swissprot	P05362	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human ICAM-1 in ELISAs.	

For Research Use Only

Applications

Human ICAM-1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Human ICAM-1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human ICAM-1 Detection Antibody (Biotin)	

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

Background

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues. ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- α , INF- γ , IL-1 and thrombin. It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by Plasmodium falciparum.

For Research Use Only