

## Human VCAM-1/CD106 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0456	<b>Applications</b>	ELISA
<b>Synonyms</b>	VCAM1;CD106;INCAM-100;vascular cell adhesion molecule 1		

### Kit components & Storage

Title	Specifications	Storage
Human VCAM-1/CD106 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human VCAM-1/CD106 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

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

### Product Information

Items		Characteristic (E-KAB-0456)	
		Human VCAM-1/CD106 Capture Antibody	Human VCAM-1/CD106 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human VCAM-1/CD106 protien	Recombinant Human VCAM-1/CD106 protien
	Swissprot	P19320	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human VCAM-1/CD106 in ELISAs.	

## Applications

### Human VCAM-1/CD106 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4 µg/mL	Human VCAM-1/CD106 Capture Antibody	<table border="1"> <caption>Standard Curve Data (Approximate)</caption> <thead> <tr> <th>Human VCAM-1/CD106 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.05</td></tr> <tr><td>2</td><td>0.1</td></tr> <tr><td>5</td><td>0.2</td></tr> <tr><td>10</td><td>0.3</td></tr> <tr><td>20</td><td>0.5</td></tr> <tr><td>50</td><td>1.0</td></tr> <tr><td>100</td><td>2.0</td></tr> <tr><td>200</td><td>4.0</td></tr> </tbody> </table>	Human VCAM-1/CD106 Concentration (ng/mL)	Optical Density	1	0.05	2	0.1	5	0.2	10	0.3	20	0.5	50	1.0	100	2.0	200	4.0
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ELISA Detection	1:1000-1:10000	Human VCAM-1/CD106 Detection Antibody (Biotin)																			

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

## Background

This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene.