

Human BCAM Antibody Pair Set

Catalog No.	E-KAB-0697	Applications	ELISA
Synonyms	CD239;BCAM;AU;LU;MSK19;Lutheran Blood Group Glycoprotein;Auberger B antigen;B-CAM cell surface glycoprotein		

Kit components & Storage

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

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

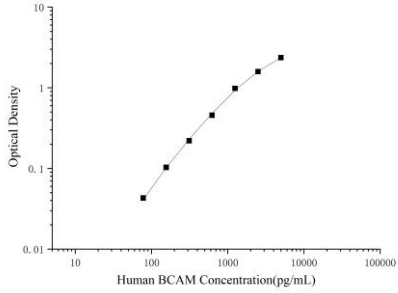
Product Information

Items		Characteristic (E-KAB-0697)	
		Human BCAM Capture Antibody	Human BCAM Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human BCAM protein	Recombinant Human BCAM protein
	Swissprot	P50895	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/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	Affinity purification	Affinity purification
	Specificity	Detects Human BCAM in ELISAs.	

For Research Use Only

Applications

Human BCAM Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4ug/mL	Human BCAM Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human BCAM Concentration (pg/mL). The x-axis ranges from 10 to 100,000 pg/mL, and the y-axis ranges from 0.01 to 10. The data points form a smooth, upward-sloping curve, indicating a positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human BCAM Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>100</td><td>0.05</td></tr> <tr><td>200</td><td>0.1</td></tr> <tr><td>500</td><td>0.2</td></tr> <tr><td>1000</td><td>0.4</td></tr> <tr><td>2000</td><td>0.8</td></tr> <tr><td>5000</td><td>1.5</td></tr> <tr><td>10000</td><td>3.0</td></tr> <tr><td>20000</td><td>6.0</td></tr> </tbody> </table>	Human BCAM Concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.2	1000	0.4	2000	0.8	5000	1.5	10000	3.0	20000	6.0
Human BCAM Concentration (pg/mL)	Optical Density																				
100	0.05																				
200	0.1																				
500	0.2																				
1000	0.4																				
2000	0.8																				
5000	1.5																				
10000	3.0																				
20000	6.0																				
ELISA Detection	1:1000-1:10000	Human BCAM Detection Antibody (Biotin)																			

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

Background

Human CD239 is a type I transmembrane glycoprotein that is encoded by B-CAM which belongs to the Ig gene superfamily. Full-length BCAM (CD239) is comprised of an extracellular region with two N-terminal V-type Ig-like domains followed by three C2-type Ig-like domains, a transmembrane region, and cytoplasmic domain of 59 amino acid residues. CD239 is expressed on erythrocytes in the peripheral blood and on the basal layer of vascular endothelial cells or some epithelial cells.