Human CD38 Antibody Pair Set

Catalog No. E-KAB-0700   **Applications**   ELISA
Synonyms   T10;p45;cADPRH;CD38

Kit components & Storage

Title	Specifications	Storage
Human CD38 Capture Antibody	1 vial, 100 μg	Store at -20℃. Avoid freeze / thaw cycles.
Human CD38 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

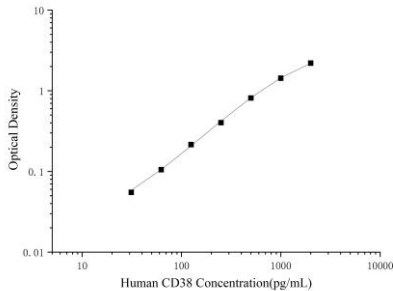**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0700)	
		Human CD38 Capture Antibody	Human CD38 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CD38 protein	Recombinant Human CD38 protein
	Swissprot	P28907	
Product details	Reactivity	Human	Human
	Host	Sheep	Sheep
	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 CD38 in ELISAs.	

For Research Use Only

Applications

Human CD38 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Human CD38 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human CD38 Detection Antibody (Biotin)	

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

Background

CD38 is a 45 kD type II transmembrane glycoprotein also known as T10. It is an ADP-ribosyl hydrolase expressed at variable levels on hematopoietic cells and in some non-hematopoietic tissues (such as brain,muscle,and kidney). In humans,it is expressed at high levels on plasma cells and activated T and B cells,natural killer (NK) lymphocytes,myeloblasts,and erythroblasts. By functioning as both a cyclase and a hydrolase,CD38 mediates lymphocyte activation,adhesion,and the metabolism of cADPR and NAADP. CD31 is the ligand of CD38.