

Human SIGLEC3 Antibody Pair Set

Catalog No.	E-KAB-0488	Applications	ELISA
Synonyms	CD33;SIGLEC-3;gp67		

Kit components & Storage

Title	Specifications	Storage
Human SIGLEC3 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human SIGLEC3 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

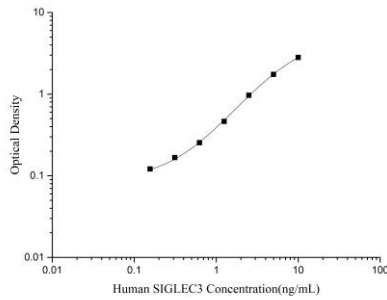
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0488)	
		Human SIGLEC3 Capture Antibody	Human SIGLEC3 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human SIGLEC3 protien	Recombinant Human SIGLEC3 protien
	Swissprot	P20138	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human SIGLEC3 in ELISAs.	

Applications

Human SIGLEC3 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4 µg/mL	Human SIGLEC3 Capture Antibody	 <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human SIGLEC3 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>0.05</td><td>0.12</td></tr> <tr><td>0.1</td><td>0.18</td></tr> <tr><td>0.2</td><td>0.28</td></tr> <tr><td>0.5</td><td>0.45</td></tr> <tr><td>1</td><td>0.7</td></tr> <tr><td>2</td><td>1.1</td></tr> <tr><td>5</td><td>1.8</td></tr> <tr><td>10</td><td>2.8</td></tr> </tbody> </table>	Human SIGLEC3 Concentration (ng/mL)	Optical Density	0.05	0.12	0.1	0.18	0.2	0.28	0.5	0.45	1	0.7	2	1.1	5	1.8	10	2.8
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ELISA Detection	1:1000-1:10000	Human SIGLEC3 Detection Antibody (Biotin)																			

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

Background

CD33 is a 67 kD type I transmembrane glycoprotein also known as Siglec-3 , gp67 , and p67. It is a sialoadhesion immunoglobulin superfamily member expressed on myeloid progenitors , monocytes , granulocytes , dendritic cells and mast cells. CD33 is absent on normal platelets , lymphocytes , erythrocytes and hematopoietic stem cells. CD33 functions as a sialic acid-dependent cell adhesion molecule with carbohydrate/lectin binding activity.