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Datasheet for ABIN6720009 CD21 ELISA Kit



Overview

Quantity:	1 kit
Target:	CD21 (CR2)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: C3DR, CD 21, CD21, CD21 antigen, Complement C3d receptor, Complement component (3d/Epstein Barr virus) receptor 2, Complement component receptor 2, Complement receptor type 2, Cr 2, CR, Cr2, CR2_HUMAN, CVID7, EBV receptor, EBV-R, Epstein Barr virus receptor, Epstein-Barr virus receptor, EVBR, SLEB9 Background: Complement receptor type 2(CR2), also known as C3DR or CD21, is a protein that in humans is encoded by the CR2 gene. It is mapped to 1q32.2. CR2 is involved in the complement system. It binds to iC3b(inactive derivative of C3b), C3dg, or C3d. CR2 is the
	membrane protein on B lymphocytes to which the Epstein-Barr virus (EBV) binds during

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6720009 | 09/10/2023 | Copyright antibodies-online. All rights reserved. infection of these cells. CR2, together with CD19, CD81, and CD225, forms the B-cell coreceptor complex, which lowers the activation threshold of the B-cell antigen receptor. Genetic variations in this gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9). Gene Name: CR2 Production: Natural and recombinant human CD21. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: Ile21-71

Target Details

Target:	CD21 (CR2)
Alternative Name:	CD21 - CR2 (CR2 Products)
Gene ID:	1380
NCBI Accession:	NP_001006659
UniProt:	P20023
Pathways:	Complement System

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL,
	0.78 ng/mL human CD21 standard solutions into the precoated 96-well plate. Add 0.1 mL of the
	sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted
	sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well.
	It is recommended that each human CD21 standard solution and each sample be measured in
	duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 0.78 ng/mL-50 ng/mL
Sample Volume:	100 μL
Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	RT,4 °C,-20 °C

rder at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN6720009 | 09/10/2023 | Copyright antibodies-online. All rights reserved. Storage Comment:

Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

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