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Datasheet for ABIN6720296 CD56 ELISA Kit



Overview

Quantity:	1 kit
Target:	CD56 (NCAM1)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	625 pg/mL - 40000 pg/mL
Minimum Detection Limit:	625 pg/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: CD56, N-CAM-1, NCAM-1, NCAM1, NCAM1_HUMAN, Neural cell adhesion molecule
	1
	Background: Neural Cell Adhesion Molecule, NCAM, also known as the cluster of differentiation
	CD56, is a hemophilic binding glycoprotein. It is a glycoprotein of Immunoglobulin(Ig) super
	family. At least 27 alternatively spliced NCAM mRNAs are produced, giving a wide diversity of
	NCAM isoforms NCAM gene is located at 11q22-q23.This glycoprotein is mainly expressed on
	the surface of neurons, glia, skeletal muscle and natural killer cells. NCAM has been implicated
	as having a role in cell-cell adhesion, neurite outgrowth, synaptic plasticity, and learning and

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Gene Name: NCAM1
Production: Natural and recombinant mouse CD56. There is no detectable cross-reactivity with other relevant proteins.
Standard: Expression system for standard: NSO, Immunogen sequence: L20-T711

Target Details

Target:	CD56 (NCAM1)
Alternative Name:	CD56 - NCAM1 (NCAM1 Products)
Gene ID:	17967
NCBI Accession:	NP_001074914
UniProt:	P13595

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 40,000pg/mL, 20,000pg/mL, 10,000pg/mL, 5,000pg/mL, 2,500pg/mL,
	1,250pg/mL, 625pg/mL mouse CD56 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to
	each empty well. It is recommended that each mouse CD56 standard solution and each sample
	be measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 625pg/mL-40,000pg/mL
Sample Volume:	100 μL
Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	RT,4 °C,-20 °C
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
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cycles of freezing and thawing.

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