

Datasheet for ABIN6719833 **CD47 ELISA Kit**



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Overview

Quantity:	1 kit
Target:	CD47
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	125 pg/mL - 8000 pg/mL
Minimum Detection Limit:	125 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Antigen identified by monoclonal antibody 1D8, Antigenic surface determinant protein OA3, CD 47, CD47, CD47 antigen (Rh-related antigen, integrin-associated signal transducer), CD47 antigen, CD47 glycoprotein, CD47 Molecule, CD47_HUMAN, IAP, Integrin Associated Protein, Integrin associated signal transducer, Integrin-associated protein, Leukocyte surface antigen CD47, MER6, OA 3, OA3, OTTHUMP00000041152, OTTHUMP00000041153, Protein MER6, Rh related antigen</p> <p>Background: CD47 (Cluster of Differentiation 47), also known as integrin associated protein (IAP), is a transmembrane protein that in humans is encoded by the CD47 gene. It belongs to</p>

Product Details

the immunoglobulin superfamily and partners with membrane integrins and also binds the ligands thrombospondin-1 (TSP-1) and signal-regulatory protein alpha (SIRP α). CD47 is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. Furthermore, it plays a key role in immune and angiogenic responses. Also CD47 is ubiquitously expressed in human cells and has found to be overexpressed in many different tumor cells.

Gene Name: CD47

Production: Natural and recombinant human CD47. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q19-P139

Target Details

Target:	CD47
Alternative Name:	CD47 (CD47 Products)
Gene ID:	961
NCBI Accession:	NP_001768
UniProt:	Q08722

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 8000pg/mL, 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL human CD47 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 or serum to each empty well. It is recommended that each human CD47 standard solution and each sample be measured in duplicate.

ELISA Dilution: 125pg/mL-8000pg/mL

Sample Volume:	100 μ L
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 cycles of freezing and thawing.