CD47 Molecule (CD47) ELISA Kit for Pig

PRODUCT OVERVIEW

Product Name	CD47 molecule, ELISA Kit
Full Product Name	Pig Leukocyte surface antigen CD47, CD47 ELISA Kit
Product Gene Name	CD47 elisa kit
Product Synonym Names	Pig Leukocyte surface antigen CD47 (CD47) ELISA kit; IAP; MER6; OA3; CD47 antigen; CD47 antigen (Rh-related antigen; integrin-associated signal transducer) ; CD47 glycoprotein; Rh-related antigen; antigen identified by monoclonal antibody 1D8; antigenic sur; CD47 molecule
Species Reactivity	Pig
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	33,253 Da
3D Structure	ModBase 3D Structure for Q9GKE8
Related Product Information for CD47 elisa kit	MBS9326510 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CD47 molecule, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CD47. The ELISA analytical biochemical technique of the MBS9326510 kit is based on CD47 antibody-CD47 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CD47 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CD47. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CD47 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD47. It may not necessarily be applicable to this product.

NCBI GI #	47522790
NCBI GeneID	397042
NCBI Accession #	NP_999147.1
UniProt Primary Accession #	Q9GKE8
UniProt Related Accession #	Q9GKE8
GenBank Nucleotide #	NM_213982.1
NCBI Official Full Name	leukocyte surface antigen CD47
NCBI Official Symbol	CD47
NCBI Official Synonym Symbols	CD47/IAP
UniProt Protein Name	Leukocyte surface antigen CD47
UniProt Synonym Protein Names	Integrin-associated protein; IAP; CD_antigen: CD47
Protein Family	Leukocyte surface antigen
UniProt Gene Name	CD47

UniProt Synonym Gene Names	IAP
UniProt Entry Name	CD47_PIG
NCBI Protein Information	leukocyte surface antigen CD47; IAP; integrin-associated protein
UniProt Comments for CD47	**Function:** Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. Plays an important role in memory formation and synaptic plasticity in the hippocampus. May play a role in membrane transport and/or integrin dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection. May play a role in memory formation Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins.1 PublicationManual assertion based on experiment in:Ref.1
Research Articles on CD47	**1.** Amyloid-beta inhibits No-cGMP signaling in a CD36- and CD47-dependent manner
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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