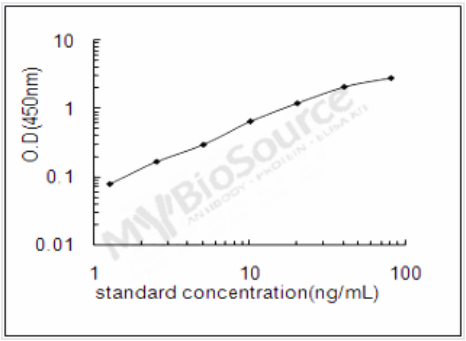
B-Lymphocyte Antigen CD19 (CD19) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	B-lymphocyte antigen CD19, ELISA Kit
Full Product Name	Mouse B-lymphocyte antigen CD19 ELISA Kit
Product Gene Name	Cd19 elisa kit
Product Synonym Names	B-lymphocyte antigen CD19; Differentiation antigen CD19; Cd19; CD19
Species Reactivity	Mouse
Assay Type	Sandwich
Detection Range	1.25-80 ng/mL
Sensitivity	0.633 ng/mL
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.
Molecular Weight	60,149 Da
3D Structure	ModBase 3D Structure for P25918
Intra-Assay CV	<=4.3%
Inter-Assay CV	<=8.6%
Recovery	105%
Related Product Information for Cd19 elisa kit	MBS2884459 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the B-lymphocyte antigen CD19, 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 Cd19. The ELISA analytical biochemical technique of the MBS2884459 kit is based on Cd19 antibody-Cd19 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Cd19 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Cd19. 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 Cd19 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.



Typical Testing Data/Standard Curve (for reference only) of Cd19 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cd19. It may not necessarily be applicable to this product.

NCBI GI #	146149173
NCBI GeneID	12478
NCBI Accession #	NP_033974.2
UniProt Primary Accession #	P25918
UniProt Secondary Accession #	Q542B2
UniProt Related Accession #	P25918
GenBank Nucleotide #	NM_009844.2
NCBI Official Full Name	B-lymphocyte antigen CD19
NCBI Official Synonym Full Names	CD19 antigen
NCBI Official Symbol	Cd19
NCBI Official Synonym Symbols	AW495831
UniProt Protein Name	B-lymphocyte antigen CD19
UniProt Synonym Protein Names	Differentiation antigen CD19; CD_antigen: CD19
Protein Family	B-lymphocyte antigen
UniProt Gene Name	Cd19
UniProt Entry Name	CD19_MOUSE
NCBI Protein Information	B-lymphocyte antigen CD19
UniProt Comments for Cd19	CD19: a cell surface molecule which assembles with the antigen receptor of B lymphocytes. A critical signal transduction molecule that regulates B lymphocyte development, activation, and differentiation. Ligation increases intracellular calcium levels and decreases the threshold for antigen receptor signaling. Germinal center formation is significantly reduced in CD19-deficient mice. Protein type: Membrane protein, integral; Cell surface Cellular Component: external side of plasma membrane; integral to membrane; membrane; protein complex Molecular Function: protein binding; receptor signaling protein activity Biological Process: B cell receptor signaling pathway; cellular defense response; chromosome breakage; positive regulation of release of sequestered calcium ion into cytosol
Research Articles on Cd19	**1.** WIPF1 deficiency impaired CD19 co-receptor activation and subsequent PI3 kinase signaling, by distorting the actin and tetraspanin networks that lead to altered CD19 cell surface dynamics.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/mouse-elisa-kits/b-lymphocyte-antigen-cd19/2884459