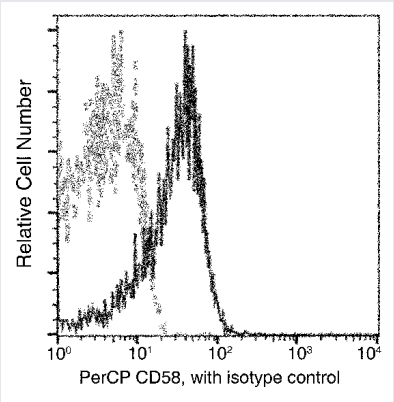
CD58 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD58, Monoclonal Antibody
Full Product Name	Anti-CD58 Antibody (PerCP), Mouse Monoclonal
Product Gene Name	anti-CD58 antibody
Product Synonym Names	LFA-3/CD58 Antibody (PerCP), Mouse MAb; CD58 molecule; Anti-ag3 Antibody; Anti-CD58 Antibody; Anti-LFA-3 Antibody; Anti-LFA3 Antibody
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	05
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Purity/Purification	Protein A
Concentration	10ul/Test, 0.1mg/ml (lot specific)
Specificity	Human LFA-3/CD58
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Molecular Weight	27,960 Da
Immunogen	Recombinant Human LFA-3/CD58 Protein
Conjugation	PerCP
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human LFA-3/CD58 (rh LFA-3/CD58) and conjugated with PerCP under optimum conditions, the unreacted PerCP was removed.
Applications Tested/Suitable for anti-CD58 antibody	Flow Cytometry (FC/FACS/FCM)
Related Product Information for anti-CD58 antibody	CD53 is a member of the transmembrane 4 superfamily, also called the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. These proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD53 is a cell surface glycoprotein that is known to complex with integrins. Familial deficiency of CD53 gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. CD53 contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation.
Product References and Citations for anti-CD58 antibody	Rochelle JM. et al., 1993, Int Immunol. 5 (2): 209-16. Virtaneva KI. et al., 1993, Immunogenetics. 37 (6): 461-5. HorejsiV. et al., 1991, FEBS Lett. 288 (1-2): 1-4.
Other Notes	Small volumes of anti-CD58 antibody 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.
Searchable Terms for CD58 purchase	MBS8106402 is an antibody targeting CD58. Also known as Anti-CD58 Antibody (PerCP), Mouse Monoclonal. Reactive in Human. Host: Mouse.



Flow Cytometry (FC/FACS) of anti-CD58 antibody
Flow cytometric analysis of Human CD58 expression on human whole blood lymphocytes. Cells were stained with PerCP-conjugated anti-Human CD58. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD58. It may not necessarily be applicable to this product.

NCBI GI #	13543545
NCBI GeneID	965
NCBI Accession #	AAH05930.1
UniProt Secondary Accession #	Q5U053; Q6IB65; Q96KI9; A8K7G5
UniProt Related Accession #	P19256
NCBI Official Full Name	CD58 protein
NCBI Official Synonym Full Names	CD58 molecule
NCBI Official Symbol	CD58
NCBI Official Synonym Symbols	ag3; LFA3; LFA-3
Protein Family	Lymphocyte function-associated antigen
NCBI Protein Information	lymphocyte function-associated antigen 3
NCBI Summary for CD58	This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a ligand of the T lymphocyte CD2 protein, and functions in adhesion and activation of T lymphocytes. The protein is localized to the plasma membrane. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2009]
Research Articles on CD58	**1.** Cytometry analysis evidenced a specific expression profile on reticulocytes of SCA infants, with notably an increased expression of the adhesion molecules Lu/BCAM, ICAM-4 and LFA-3, both in percentage of positive cells and in surface density.
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/monoclonal-human-antibody/cd58/8106402