CD47 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD47, Monoclonal Antibody
Full Product Name	CD47 (PE)
Product Gene Name	anti-CD47 antibody
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3H1457
Host	Mouse
Species Reactivity	Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein G Affinity Chromatography
Specificity	Recognizes the rat homologue of human CD47, which has been identified as the ligand for the rat signal regulatory protein (SIRP). Rat CD47 is expressed primarily by lymphocytes and macrophages but has also been detected at high levels on brain endothelial cells.
Preparation and Storage	Store at 4 degree C. Do Not Freeze.
Immunogen	Rat thymocytes.
Conjugate	PE
Product Categories/Family for anti-CD47 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD47 antibody	Flow Cytometry (FC/FACS), Immunoprecipitation (IP)
Related Product Information for anti-CD47 antibody	MBS6251599 is an antibody targeting CD47. Also known as CD47 (PE). Reactive in Rat. Host: Mouse.
Product References and Citations for anti-CD47 antibody	1. Vernon-Wilson, E. F. et al. (2000). CD47 is a ligand for rat macrophage membrane signal regulatory protein SIRP (OX41) and human SIRP alph a 1. Eur. J. Immunol. 30: 2130-2137. 2. de Vries, H.E. et al. (2002). Signal regulatory protein alpha - CD47 interactions are required for the transmigration of monocytes across cerebral endothelium. J. Immunol. 168: 5832 - 5839.
Other Notes	Small volumes of anti-CD47 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.

ADDITIONAL DETAILS

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

Protein Family	Leukocyte surface antigen
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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