

Product datasheet

PE Anti-Macrophage antibody [HIS36] αb95574

[1 Image](#)

Overview

Product name	PE Anti-Macrophage antibody [HIS36]
Description	PE Mouse monoclonal [HIS36] to Macrophage
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Rat
Immunogen	Tissue, cells or virus corresponding to Rat Macrophage. Rat bone marrow cells.
Positive control	Rat spleen and peritoneal cells
General notes	<p>The HIS36 monoclonal antibody reacts with a molecule expressed on the surface of Rat macrophages. The antigen recognized by HIS36 is an ED2-like antigen expressed by thioglycolate elicited peritoneal cells and tissue macrophages. ab95574 is used as a marker for Rat tissue macrophages.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.87% Sodium chloride, PBS</p>
Purity	Protein G purified
Primary antibody notes	The HIS36 monoclonal antibody reacts with a molecule expressed on the surface of Rat

macrophages. The antigen recognized by HIS36 is an ED2-like antigen expressed by thioglycolate elicited peritoneal cells and tissue macrophages. ab95574 is used as a marker for Rat tissue macrophages.

Clonality	Monoclonal
Clone number	HIS36
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab95574 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

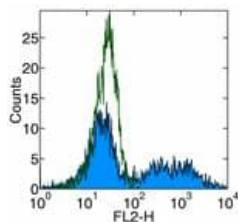
Application	Abreviews	Notes
Flow Cyt		Use 0.25-0.5µg for 10 ⁵⁻⁸ cells. A final volume of 100 µL is recommended for staining the cell sample.

Target

Relevance

Macrophages comprise of many forms of mononuclear phagocytes found in tissues. Mononuclear phagocytes arise from hematopoietic stem cells in the bone marrow. After passing through the monoblast and promonocyte states of the monocyte stage, they enter the blood, where they circulate for about 40 hours. They then enter tissues and increase in size, phagocytic activity, and lysosomal enzyme content becoming macrophages. Among the functions of macrophages are nonspecific phagocytosis and pinocytosis, specific phagocytosis of opsonized microorganisms mediated by Fc receptors and complement receptors, killing of ingested microorganisms, digestion and presentation of antigens to T and B lymphocytes, and secretion of a large number of diverse products, including many enzymes including lysozyme and collagenases, several complement components and coagulation factors, some prostaglandins and leukotrienes, and many regulatory molecules (Interferon, Interleukin 1). Among cells that are now recognised as macrophages are histiocytes, Kupffer cells, osteoclasts, microglial cells, synovial type A cells, interdigitating cells, and Langerhans cells (in normal tissues) and epithelioid cells and Langerhans-type and foreign-body-type multinucleated giant cells (in inflamed tissues).

Images



Flow Cytometry - PE Anti-Macrophage antibody
[HIS36] (ab95574)

ab95574, at 0.25 µg per test, staining Rat thioglycolate induced peritoneal exudate cells (PECs) by flow cytometry (filled histogram). The open histogram shows staining with 0.25 µg of Mouse IgG2a ? Isotype Control PE. Total viable cells were used for analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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