

Monoclonal Antibody to Granulocytes + Monocytes - FITC

Alternate names:	Granulocyte cells
Catalog No.:	AM08108FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	<p>A monocyte is a leukocyte, part of the human body's immune system that protects against blood-borne pathogens and moves quickly (aprox. 8-12 hours) to sites of infection in the tissues. Monocytes are usually identified in stained smears by their large bi-lobed nucleus. Granulocytes are a category of white blood cells characterised by the presence of granules in their cytoplasm. They are also called polymorphonuclear leukocytes (PMN or PML) because of the varying shapes of the nucleus, which is usually lobed into three segments. In common parlance, the term polymorphonuclear leukocyte often refers specifically to neutrophil granulocytes, the most abundant of the granulocytes. Granulocytes or PMN are released from the bone marrow by the regulatory complement proteins.</p>
Host / Isotype:	Mouse / IgG1
Clone:	74-22-15
Format:	<p>State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1</p>
Applications:	<p>Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1-2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody is specific to Porcine SWC3a. It reacts with > 90% of pig Monocytes and Granulocytes and < 5% of peripheral blood Lymphocytes. Species: Pig. Other species not tested.</p>
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>
General Readings:	<ol style="list-style-type: none">1. Pescovitz, M.D., .K. Lunney, and D.H. Sachs. 1984. J. Immunol. 133:368.2. Denham, S., M. Shimizu, A.T. Bianchi, et. al. 1994. Vet. Immunol. Immunopathol. 43:259.

Pictures:

Immunofluorescent Staining: Fresh heparinized blood from a healthy adult pig was stained with mouse anti-pig Monocyte/Granulocyte-FITC. Red blood cells were lysed with Ammonium Chloride and the cells were then fixed in 1% Paraformaldehyde. Granulocytes were gated and analyzed on a FACScan(TM) flow cytometer (BDIS, San Jose, CA). Amount Used: 1 µg/10e6 cells.

