

Monoclonal Antibody to Macrophages - FITC -

Alternate names:	Macrophage marker
Catalog No.:	AM05890FC-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Host / Isotype:	Mouse / IgG2b
Clone:	BA4D5
Immunogen:	Porcine alveolar macrophages. Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 mouse myeloma cell line.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7.4 Preservatives: 0.09% Sodium Azide Stabilizers: 1% BSA Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 1x10 ⁶ cells in 100 µl. Membrane permeabilisation is required. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises Porcine cells of the monocyte/macrophage lineage. Expression of the antigen is increased with maturation, with higher expression on peritoneal and alveolar macrophages. Some expression has also been observed on peripheral blood lymphocytes. The antigen recognised by this antibody <i>Cat.-No</i> AM05890FC-N (clone BA4D5) has a broad tissue distribution. Clone BA4D5 stains macrophages in a range of tissues, including the thymus, spleen periarteriolar lymphoid sheath (PALS), spleen red pulp and the Peyer's patches. It is believed that clone BA4D5 may be specific for porcine CD68, although the protein recognised by this antibody has not yet been fully characterised. The protein is expressed on the cell surface, although it is most abundantly expressed in the cytoplasm. Species: Pig. Other species not tested.
Storage:	Store 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.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

- General Readings:**
1. Luechtenborg B, Hofnagel O, Weissen-Plenz G, Severs NJ, Robenek H. Function of scavenger receptor class A type I/II is not important for smooth muscle foam cell formation. *Eur J Cell Biol.* 2008 Feb;87(2):91-9. Epub 2007 Nov 5. PubMed PMID: 17980455.
 2. Ezquerro A, Revilla C, Alvarez B, Pérez C, Alonso F, Domínguez J. Porcine myelomonocytic markers and cell populations. *Dev Comp Immunol.* 2009 Mar;33(3):284-98. doi: 10.1016/j.dci.2008.06.002. Epub 2008 Jun 27. PubMed PMID: 18586052.
 3. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. *Vet Res.* 39: 54.

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