

Product datasheet for **AM05607FC-N**

Granulocytes Mouse Monoclonal Antibody [Clone ID: 2B2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2B2
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat antibody to label 1x10 ⁶ cells in 100 µl
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Porcine bone marrow haematopoietic cells (BMHC).
Specificity:	<p>This antibody specifically recognises Porcine Eosinophils, Neutrophils and Basophils, acting as a reliable tool for their analysis and isolation, without contamination from other cells. Analysis of Porcine bone marrow and blood shows that the antigen recognised by clone 2B2 is selectively expressed on mature cells, and that it is likely to be a labile conformational epitope.</p> <p>Use of clone 2B2 in conjunction with clone 6D10 (product AM05606PU-N), allows for the discrimination and characterisation of different porcine granulocyte lineages and also their developmental stages: 6D10- 2B2- early myeloid precursors, 6D10+2B2- immature neutrophils, 6D10+2B2+ mature neutrophils and 6D10-2B2+ mature Eosinophils and Basophils.</p> <p>Clone 2B2 has been shown as suitable for use on cytopins. (1)</p>
Formulation:	<p>Phosphate buffered saline pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer</p> <p>Label: FITC</p> <p>State: Liquid purified IgG fraction</p> <p>Label: Fluorescein Isothiocyanate Isomer 1</p>
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC



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Storage:	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.
Stability:	Shelf life: one year from despatch.
Background:	<p>Granulocytes are a type of white blood cell filled with microscopic granules that are little sacs containing enzymes, compounds that digest microorganisms. They are part of the innate immune system and have somewhat nonspecific, broad-based activity. They do not respond exclusively to specific antigens, as do B-cells and T-cells.</p> <p>Neutrophils, eosinophils and basophils are all types of granulocytes. They are named by the staining features of their granules in the laboratory: Neutrophils have "neutral" subtle granules; Eosinophils have prominent granules that stain readily with the acid dye eosin; and Basophils have prominent granules that stain readily basic (non acidic) dyes.</p>
Synonyms:	Granulocyte cells