

Product datasheet for **AM31837FC-N**

Erythrocytes Mouse Monoclonal Antibody [Clone ID: OX-83]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-83
Applications:	FC
Recommended Dilution:	Suitable for use in Flow Cytometry .
	Test Results:
	Tissue Distribution by Flow Cytometry Analysis:
	Rat Strain: Wistar.
	Cell Concentration: 1x10 ⁶ cells per tests.
	Antibody Concentration Used: 0.2 µg/10 ⁶ cells.
	Cell Source/Percentage of cells stained above control:Erythrocytes/99.8%
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Donor: BALB/c Spleen. Fusion Partner: NS1
Specificity:	This Erythrocyte Monoclonal antibody recognizes Rat Erythrocytes. This antibody has also been reported to label Rat Neutrophils, Erythrocyte stem cells and 50% bone marrow.
Formulation:	PBS containing 0.02% Sodium Azide as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. Label: FITC State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	FITC
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.
Stability:	Shelf life: one year from despatch.



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Background:

Erythrocyte: A cell that contains hemoglobin and can carry oxygen to the body. Also called a red blood cell (RBC). The reddish color is due to the hemoglobin. Erythrocytes are biconcave in shape, which increases the cell's surface area and facilitates the diffusion of oxygen and carbon dioxide. This shape is maintained by a cytoskeleton composed of several proteins. Erythrocytes are very flexible and change shape when flowing through capillaries. Immature erythrocytes, called reticulocytes, normally account for 1-2 percent of red cells in the blood.

Synonyms:

Red blood cells

Note:

For maximum recovery of contents, spin down tube before use.