OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AM33302PU-N Monoclonal Antibody to Erythrocytes - Purified

Alternate names:	Red blood cells
Quantity:	0.2 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	SFL23.6
Immunogen:	Hepatocytes from a 20-22 week-old Human fetus.
Format:	**State:** Liquid purified IgG fraction from Bioreactor Concentrate **Purification:** Protein A/G Chromatography **Buffer System:** 10mM PBS **Preservatives:** 0.05% Sodium Azide **Stabilizers:** 0.05% BSA
Applications:	**Flow Cytometry:** 0.5-1 µg/10^6 cells. **Immunofluorescence:** 1-2 µg/ml. **Immunohistochemistry on Frozen Sections:** 0.5-1 µg/ml for 30 minutes at RT. ***Recommended Positive Control:*** RBC, Placenta. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This Monoclonal Antibody SFL23.6 is direct ed against an Erythroid cell surface antigen. It shows a well defined reactivity wit h cells of the erythroid lineage at all stages of maturation in the peripheral blood, bone marrow, and f etal liver. Non-erythroid lineages are negative by flow cytometry. Although the exact identity of the antigen has yet to be determined, it has been shown to be distinct from Glycophorin A. This Monoclonal Antibody is useful in the diagnosis of erythroleukemia, identification of bone marrow erythroid pre cursors, gating erythroid nucleated precursor cells from malignant cells in bone marrow spec imens. ***Cellular Localization:*** Cytoplasmic.
Species Reactivity:	**Tested:** Human.
Storage:	Store undiluted at 2-8°C. **DO NOT FREEZE!** Shelf life: one year from despatch.
General Readings:	1. Gupta AD, Samoszuk MK, Papayannopoulou T, Stamatoyannopoulos G. SFL 23.6: a monoclonal antibody reactive with CFU-E, erythroblasts, and erythrocytes. Blood. 1985 Sep;66(3):522-6. PubMed PMID: 4027378.