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30-1700: Anti-CD71 / Transferrin Receptor Monoclonal Antibody (Clone:MEM-75)-APC Conjugated

Clonality :	Monoclonal
Clone Name :	MEM-75
Application :	FACS
Reactivity :	Human
Conjugate :	APC
Gene :	TFRC
Gene ID :	7037
Uniprot ID :	P02786
Alternative Name :	TFRC
Isotype :	Mouse IgG1 kappa
Immunogen Information :	NALM-6 human pre-B cell line

Description

CD71 (transferrin receptor) is a type II transmembrane glycoprotein expressed as homodimer in erythroid blood cell line and in activated leukocytes. Upon binding of holotransferrin (complex of transferrin and iron ions), CD71 is internalized by clathrin-mediated endocytosis. Acidification of endosomes by vesicular membrane proton pumps leads to dissociation of iron ions, whereas transferrin (apotransferrin) remains associated with CD71 and recycles to the cell surface, where it is released upon exposure to normal pH. CD71 is also involved in uptake of non-transferrin bound iron.

Product Info

Amount :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

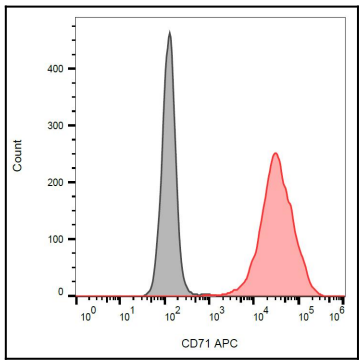


Figure 1: Surface staining of CD71 in K562 cells (red) and human lymphocytes (negative, grey) using anti-CD71 (MEM-75) APC.

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