

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-75
<b>Application :</b>	FACS, IP, ICC
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	APC
<b>Gene :</b>	TFRC
<b>Gene ID :</b>	7037
<b>Uniprot ID :</b>	P02786
<b>Alternative Name :</b>	TFRC
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

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

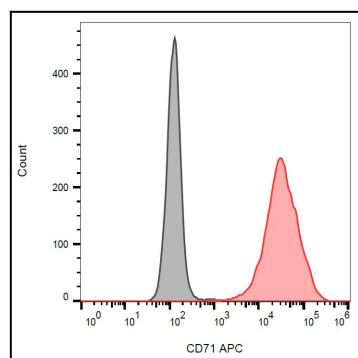


Figure 1: Surface staining of CD71 in K562 cells (red) and human lymphocytes (negative, grey) using anti-CD71 (MEM-75) APC.