

## 30-1139: Anti-CD71 / Transferrin Receptor Monoclonal Antibody (Clone:MEM-75)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-75
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	TFRC
<b>Gene ID :</b>	7037
<b>Uniprot ID :</b>	P02786
<b>Format :</b>	Purified
<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>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Flow cytometry: Recommended dilution: 0.5-4 µg/ml.

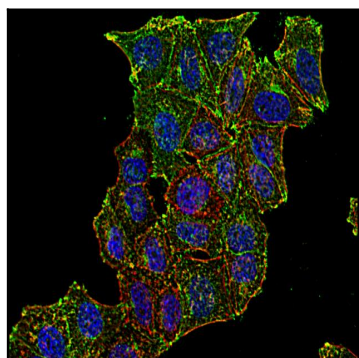


Figure 1: Immunofluorescence staining of CD71 in human HeLa cell line using anti-CD71 (MEM-75; green). Actin cytoskeleton decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).