

Product datasheet MON1140

**MONOSAN**<sup>®</sup>

Mouse anti-CD71, clone MEM-75 (Monoclonal)

Clone no. MEM-75

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Product name	Mouse anti-CD71, clone MEM-75 (Monoclonal)
Host	Mouse
Applications	FC , IP, ICC
Species reactivity	Human
Conjugate	-
Immunogen	NALM-6 human pre-B cell line
Isotype	IgG1
Clonality	Monoclonal
Clone number	MEM-75
Size	0.1 mg
Concentration	1 mg/ml
Format	-
Storage buffer	Tris buffered saline (TBS) solution with 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

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.

**References**

1. -
2. -
3. -
4. -
5. -

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