

## Product datasheet for **SM1166R**

### CD71 (TFRC) Mouse Monoclonal Antibody [Clone ID: DF1513]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	DF1513
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 1x10 <sup>6</sup> cells in 100 µl.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	KGI cell line.
Specificity:	This antibody recognises the human CD71 cell surface antigen, a 190 kD homodimeric glycoprotein expressed by proliferating cells. CD71 acts as receptor for transferrin.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 0.1% BSA, 5% Sucrose as stabilizer Label: PE State: Lyophilized purified IgG fraction Label: R-Phycoerythrin
Reconstitution Method:	Restore with 1 ml distilled water.
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	transferrin receptor
Database Link:	<a href="#">Entrez Gene 7037 Human P02786</a>



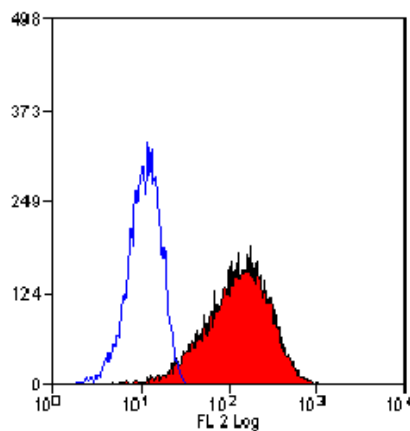
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**Background:**

The transferrin receptor has been structurally characterized as a sulfide bound dimer of identical glycoprotein subunits of 95 kDa. The transferrin receptor is not present on resting blood lymphocytes. On PBL, the receptor appears after activation. The expression of transferrin receptor is coordinately regulated with cell growth. Present on T and B cell lines. The soluble (or serum) transferrin receptor (sTfR) is a circulating truncated form of the membrane receptor protein; it is an 85 kDa glycoprotein forming in serum a 320 kDa complex with diferric transferrin. The most important clinical use of the sTfR determination is in the differential diagnosis between iron deficiency anaemia and the anaemia of chronic disease.

**Synonyms:**

TfR1, p90, Transferrin receptor protein 1

**Product images:**

Staining of Jurkat cells with Mouse Anti Human CD71-RPE (SM1166R).