

## Product datasheet for **SM1166P**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	DF1513
Applications:	FC, IF
Recommended Dilution:	<b>Immunofluorescence.</b> <b>Flow Cytometry:</b> 1/10-1/25, Use 10 µl of 1/10-1/25 diluted antibody to label 10e6 cells in 100 µl. <b>Immunohistochemistry on Frozen Tissue Sections only:</b> Use at 10-20 µg/ml with an avidin-biotin system. <b>Western blot:</b> 1-5 µg/ml.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	KG1 cell line. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NSI myeloma cell line.
Specificity:	This antibody recognizes the CD71 cell surface antigen, a 190 kD homodimeric glycoprotein expressed by proliferating cells. CD71 acts as Receptor for Transferrin.
Formulation:	PBS, pH 7.4 State: Aff - Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G from tissue culture supernatant.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	90-95 kDa



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**Gene Name:** transferrin receptor

**Database Link:** [Entrez Gene 7037 Human P02786](#)

**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