

## Product datasheet for **BM4087LE**

### Tfrc Rat Monoclonal Antibody [Clone ID: ER-MP21]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ER-MP21
Applications:	FC, FN, IP
Recommended Dilution:	Immunoprecipitation. Functional Assays. Flow Cytometry: 1/50 - 1/100; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Balb/c macrophage precursor cell hybrids. Cells from immunised rats were fused with cells of the rat Y3-Ag1.2.3 myeloma cell line.
Specificity:	This antibody recognises murine CD71, a 200kD antigen which is otherwise known as transferrin receptor.
Formulation:	PBS, pH 7.4 State: Low Endotoxin State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch
Gene Name:	transferrin receptor
Database Link:	<a href="#">Entrez Gene 22042 Mouse Q62351</a>



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- Background:** CD71 is expressed by all proliferating cell populations and exists as a homodimer at the cell surface. Clone ER-MP21 inhibits iron uptake and cell proliferation but does not compete with transferrin for binding to its receptor, which suggests that clone ER-MP21 binds to an epitope that is different from the transferrin-binding site.
- Synonyms:** TfR1, p90, Transferrin receptor protein 1