

Product datasheet for **TA386274**

Tfrc Rabbit Monoclonal Antibody [Clone ID: R17 217.1.3]

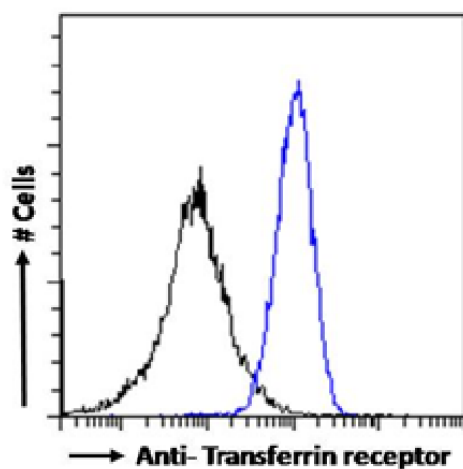
Product data:

Product Type:	Primary Antibodies
Clone Name:	R17 217.1.3
Applications:	FC
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	The antibody was obtained from a fusion of the murine myeloma S 194/5.XXO.BU. 1 with spleen cells from a BDIX rat immunized with the Friend erythroleukemia 745.6.
Specificity:	<p>The transferrin receptor is necessary for cellular iron uptake by the process of receptor-mediated endocytosis. Mice that are deficient in this receptor show impaired erythroid development and abnormal iron homeostasis.</p> <p>R17 217.1.3 was used in conjunction with flow cytometry to identify murine hematopoietic progenitor cells expressing the transferrin receptor (Lesley et al, 1984). Injection of mice with R17 217.1.3 results in CD71+ erythroid splenocyte cell depletion (Torow et al, 2015).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	transferrin receptor
Database Link:	Entrez Gene 22042 Mouse Q62351
Synonyms:	CD71; p90; T9; TfR; TfR1; TR; Trfr
Note:	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.



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Product images:



Flow-cytometry using the Anti-Transferrin receptor antibody R17 217.1.3 (TA386274). RAW 264.7 cells were stained with anti-Fluorescein IgG antibody (clone 4-4-20; isotype control, black line) or the rabbit IgG version of R17 217.1.3 (TA386274, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.