

ARG21399 anti-CD71 / Transferrin Receptor antibody [RVS-10] (PE-Cyanine 5)

Package: 50 tests

Store at: 4°C

Summary

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| Product Description | PE-Cyanine 5-conjugated Mouse Monoclonal antibody [RVS-10] recognizes CD71 / Transferrin Receptor |
| Tested Reactivity | Hu |
| Tested Application | FACS, ICC/IF |
| Specificity | Human CD71. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | RVS-10 |
| Isotype | IgG1, kappa |
| Target Name | CD71 / Transferrin Receptor |
| Antigen Species | Human |
| Conjugation | PE-Cyanine 5 |
| Alternate Names | TFR1; CD antigen CD71; CD71; T9; p90; TR; Trfr; Transferrin receptor protein 1; TRFR; sTfR; TfR1; TfR; TFR |

Application Instructions

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|-------------------|--|-----------------------------|
| Application table | Application | Dilution |
| | FACS | 10 µl/10 ⁶ cells |
| | ICC/IF | Assay-dependent |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Calculated Mw | 85 kDa | |

Properties

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| Form | Liquid |
| Buffer | PBS, 0.1% Sodium azide and Sucrose. |
| Preservative | 0.1% Sodium azide |
| Stabilizer | Sucrose |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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| Database links | GeneID: 7037 Human Swiss-port # P02786 Human |
| Gene Symbol | TFRC |
| Gene Full Name | transferrin receptor |
| Background | This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015] |
| Function | Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system (By similarity). A second ligand, the heditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site. [UniProt] |