

36-1716: Monoclonal Antibody to CD71 / Transferrin Receptor (TFRC)(Clone : TFRC/1059)

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|--------------------------------|--------------------------------|
| Clonality : | Monoclonal |
| Clone Name : | TFRC/1059 |
| Application : | FACS,IF |
| Reactivity : | Human |
| Gene : | TFRC |
| Gene ID : | 7037 |
| Uniprot ID : | P02786 |
| Format : | Purified |
| Alternative Name : | TFRC |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Recombinant human TFRC protein |

Description

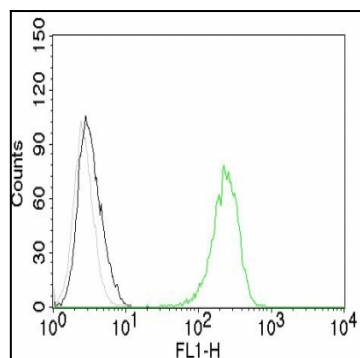
It recognizes a ~90-95kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa. This MAb is highly specific to CD71 and shows no cross-reaction with other related proteins. Its epitope is localized in the extracellular domain of CD71. Ligand for transferrin receptor is the serum iron transport protein, transferrin. This receptor is broadly distributed in carcinomas, sarcomas, leukemias, and lymphomas. CD71/Transferrin receptor has been reported to be associated with cell proliferation in both normal and neoplastic tissues and useful in predicting clinical behavior or response to therapy in a number of malignancies including breast cancer.

Product Info

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| Amount : | 100 µg |
| Purification : | Affinity Chromatography |
| Content : | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);



Flow Cytometry of human CD71 on Jurkat Cells. Black: Cells alone; Grey: Isotype Control; Green: AF488-labeled CD71 Monoclonal Antibody (TFRC/1059).