

36-3235: Anti-CD71 / Transferrin Receptor (TFRC) Monoclonal Antibody(Clone: DF1513)

| | |
|--------------------------------|---|
| Clonality : | Monoclonal |
| Clone Name : | DF1513 |
| Application : | FACS,IF,WB |
| Reactivity : | Human |
| Gene : | TFRC |
| Gene ID : | 7037 |
| Uniprot ID : | P02786 |
| Alternative Name : | Mtvr-1, p90, TFR1, TFRC transferrin receptor (p90 CD71), TRFR |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | KG1 acute myeloid leukemia cell line |

Description

It recognizes a ~90-95kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa (Workshop IV). This MAb is highly specific to CD71 and shows no cross-reaction with other related proteins. 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

| | |
|----------------------------|---|
| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

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

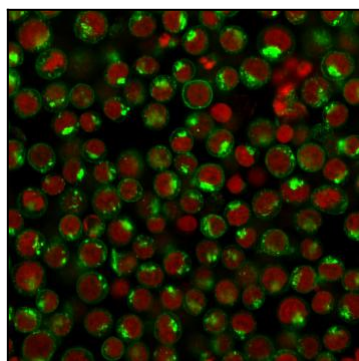


Fig. 1: Immunofluorescence Analysis of Human Jurkat cells labeling CD71 with CD71 Mouse Monoclonal antibody (DF1513) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)

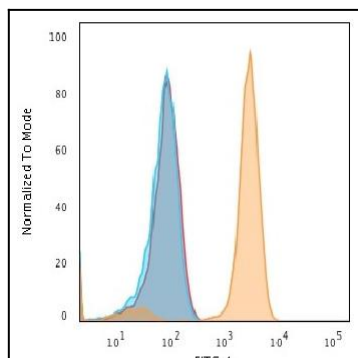


Fig. 2: Flow Cytometric Analysis of human Jurkat cells using CD71 Mouse Monoclonal antibody (DF1513) followed by Goat anti-Mouse IgG-CF488 (Orange); cells alone (Blue); Isotype Control (Red).

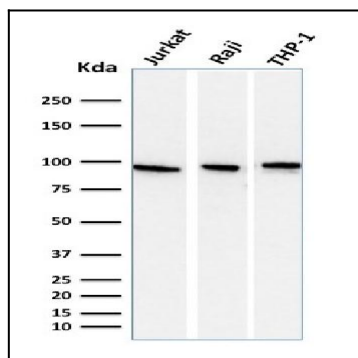


Fig. 3: Western Blot Analysis of Jurkat, Raji, and THP-1 cell lysate using CD71 Mouse Monoclonal antibody (DF1513).

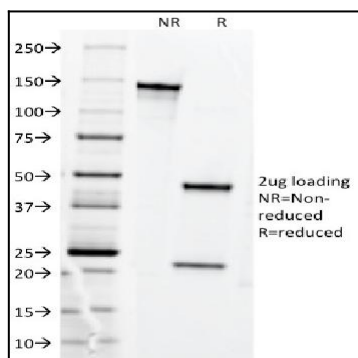


Fig. 4: SDS-PAGE Analysis Purified CD71 Mouse Monoclonal antibody (DF1513). Confirmation of Purity and Integrity of Antibody.