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# 36-3243: Anti-CD71 / Transferrin Receptor (TFRC) (Extracellular Domain) Monoclonal Antibody(Clone: TFRC/2898R)

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | TFRC/2898R |
| **Application :** | IHC |
| **Reactivity :** | Human |
| **Gene ID :** | 7037 |
| **Uniprot ID :** | P02786 |
| **Alternative Name :** | Mtvr-1, p90, TFR1, TFRC transferrin receptor (p90 CD71), TRFR |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Recombinant human extracellular TFRC protein fragment (aa94-212) (exact sequence is proprietary) |

## 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. 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 :** | 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

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

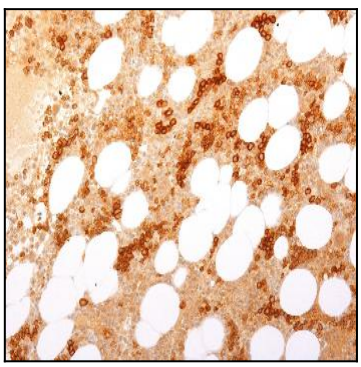


Fig. 1: Formalin-fixed, paraffin-embedded Human Bone Marrow stained with CD71 Rabbit Recombinant Monoclonal Antibody (TFRC/2898R).

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***

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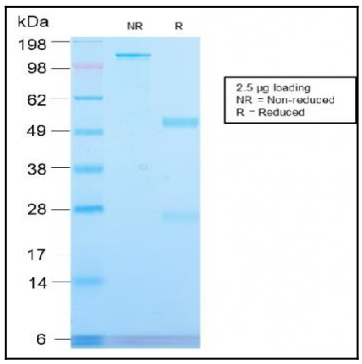



Fig. 2: SDS-PAGE Analysis Purified CD71 Rabbit Recombinant Monoclonal Antibody (TFRC/2898R). Confirmation of Purity and Integrity of Antibody.

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