



Mouse Anti-Human Transferrin Receptor Monoclonal Antibody Datasheet

Product Name: mAb anti-Human Transferrin Receptor

Clone No.: CY-TFR

Catalogue No.: MO-L40042

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody (mAb) to human transferrin receptor or mAb to human cluster of differentiation 71 (CD71).

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human transferrin receptor

Immunogen: Purified human transferrin receptor

Fusion Myeloma: Sp2/0-Ag14

Specificity: Reactive with human transferrin receptor

Species Reactivity: Human, others not tested.

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20 °C

Research Area: Iron metabolism

Background: Transferrin receptor, also known as CD71 or p90, is expressed at the surface of cells that utilize iron. The receptor binds transferrin and internalizes iron carried with it. Like many other proteins involved with iron metabolism, transferrin receptor is regulated by iron response element-binding proteins (IRE-BPs). Transferrin receptor is highly expressed in erythroid cells, placental tissue, and rapidly dividing cells. When iron concentration in the cells is low, IRE-BPs bind to the IREs on the mRNA of transferrin receptor to increase the transcription of the receptor.

Transferrin receptors in macrophage, T-cells and B lymphocyte are increased during activation.

Application: ELISA

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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