Anti-Transferrin Antibody [D7-D11]

M0809-5



Product Type: Mouse monoclonal IgG2b, primary antibodies

Species reactivity:HumanApplications:WBMolecular Wt:75 kDaClone number:D7-D11

Description: Human transferrin is a blood plasma protein for iron ion delivery encoded by the TF gene.

The gene coding for transferrin in humans is located in chromosome band 3q21. Transferrin is a glycoprotein, which binds iron very tightly but reversibly. Transferrin contains 2 specific high-affinity Fe(III) binding sites. The affinity of transferrin for Fe(III) is extremely high (1023 M-1 at pH 7.4) but decreases progressively with decreasing pH below neutrality. The metal binding properties of transferrin have a great influence on the biochemistry of

plutonium.

Immunogen: Recombinant protein within human Transferrin aa 20-698.

Positive control: Purified human transferrin

Subcellular location: Secreted

Database links: SwissProt: P02787 Human

Recommended Dilutions:

WB 1:2,000

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw

cycles.

Purity: Protein A affinity purified.

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Images

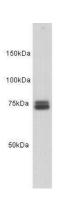


Fig1: Western blot analysis on purified human transferrin using anti-transferrin Mouse mAb (Cat. # M0809-5).

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

- 1. McGillivray R.T.A., Mendez E., Sinha S.K., Sutton M.R., Lineback-Zins J., Brew K.; "The complete amino acid sequence of human serum transferrin."; Proc. Natl. Acad. Sci. U.S.A. 79:2504-2508(1982).
- 2. McGillivray R.T.A., Mendez E., Shewale J.G., Sinha S.K., Lineback-Zins J., Brew K.; "The primary structure of human serum transferrin. The structures of seven cyanogen bromide fragments and the assembly of the complete structure."; J. Biol. Chem. 258:3543-3553(1983).