

# Anti-Transferrin Antibody [D7-D11]

## M0809-5



<b>Product Type:</b>	Mouse monoclonal IgG2b, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	75 kDa
<b>Clone number:</b>	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<sup>-1</sup> 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°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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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).

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