



20190325DS

Anti-Human Transferrin R (#7W11)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M765
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of TfR extracellular domain.

Target Background

Synonyms (Target):	TfRC; T9; TR; TFR; p90; CD71; TFR1; TRFR
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Transferrin receptors are transmembrane, homodimeric proteins that play a role in iron transport, uptake, and storage. TfR is an essential receptor, found on almost all cell types, regulated by intracellular iron concentration, and has a high affinity for transferrin. Soluble TfR (sTfR) arises from the proteolysis of TfR into monomers that can be measured in plasma and serum. TfR2 has limited tissue distribution (hepatocytes and enterocytes), is regulated by the cell cycle, and binds transferrin poorly.

Database References Target

Protein RefSeq:	NP_003225.2
Uniprot ID:	P02786
mRNA RefSeq:	NM_003234.2

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#7W11)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	Human recombinant TfR EC domain
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at <-20°C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human Transferrin R.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

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NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!