



## Rabbit polyclonal antibody to human Transferrin Receptor (745-760): Affinity purified

<b>Catalogue No.:</b>	R-1045-100
<b>Description:</b>	THIS PRODUCT IS TEMPORARILY OUT OF STOCK. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. The uptake of iron in cells occurs via the receptor-mediated endocytosis of the Transferrin receptor (TfR) bound to diferric transferrin into endosomes. Endosomal acidification leads to the release of the iron. The transferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and a loss of affinity of apotransferrin for its receptor. Soluble Transferrin receptor (sTfR) is a serum circulating truncated form of the membrane receptor protein.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide corresponding to a region (745-760) from human Transferrin Receptor. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	CD71;Transferrin receptor protein 1; TfR1; TfR; TR; Trfr; T9; p90;
<b>Accession:</b>	P02786 TFR1_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Western Blotting (WB) and Immunohistochemistry. A concentration of 1.0 ug/mL is recommended for WB. Human Transferrin Receptor (membrane form) has a predicted length of 760 residues and MW of 85 kDa. A concentration of 1.0 ug/mL is recommended for IHC. Heat mediated antigen retrieval is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; rat;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

---

FOR RESEARCH USE ONLY