

DESCRIPTION

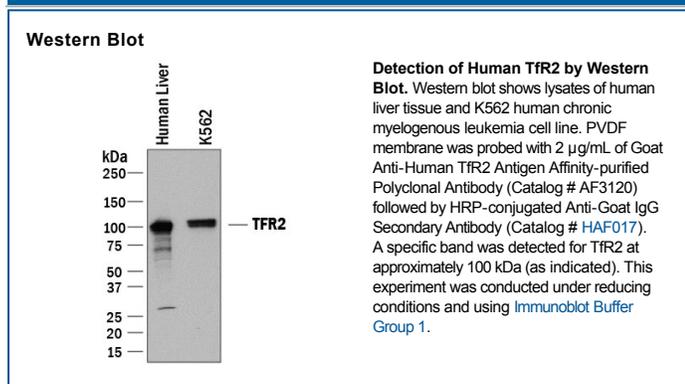
Species Reactivity	Human
Specificity	Detects human TfR2 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TfR2 Arg105-Phe801 Accession # Q9UP52
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Transferrin Receptor 2 (TfR2) is an iron-binding protein that is homologous to the transferrin receptor. Lack of active TfR2 has been associated with a rare form of hemochromatosis. The TfR2 α isoform is a type 2 transmembrane protein that is expressed in the liver and modulates hepcidin production in response to iron. It forms a 215 kDa disulfide-linked homodimer that is presumably glycosylated. The TfR2 β isoform lacks the intracellular, transmembrane and part of the extracellular regions and is expressed ubiquitously. The extracellular portion of human TfR2 shares 86% aa identity with mouse.