

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Transferrin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 507506
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Transferrin Val20-Pro698 Accession # AAH59367
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Transferrin, also known as serotransferrin and siderophilin, is an 80 kDa secreted glycoprotein that binds two Fe (3+) ions, transporting them from sites of absorption and heme degradation to those of storage and utilization. It is a member of the Transferrin family of proteins. Human Transferrin is synthesized as a 698 amino acid (aa) precursor that contains a 19 aa signal sequence and a 679 aa mature chain. The mature chain consists of two Transferrin-like domains, two high-affinity iron binding sites, one potential site for O-linked glycosylation, and two potential sites for N-linked glycosylation. Human Transferrin is 73% aa identical to mouse and rat Transferrin.

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