Human Ferritin Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 962609

Catalog Number: FAB93541R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Ferritin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_{2A} Clone # 962609
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human Ferritin synthetic peptide Accession # P02794
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.
Immunocytochemistry	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

FTH (Ferritin Heavy Chain 1; also Proliferation-Inducing Protein 15, PIG15, and PLIF) is a 183 aa cytosolic and secreted protein (SwissProt #: P02794). Human FTH is highly conserved among species and shares 93% and 95% aa identity with mouse and rat FTH, respectively. It is important for iron homeostatis by storing iron in a soluble form readily available to cells as well as having ferroxidase activity. Additionally, FTH plays a role in iron delivery to cells and can be secreted in small amounts in the serum as an iron carrier.

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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475