

Ferritin Polyclonal Antibody(Capture/Detector)

catalog number: AN000070P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

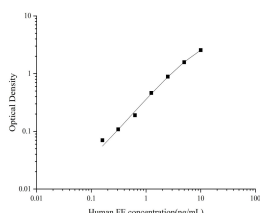
Reactivity	Human
Immunogen	Recombinant Human Ferritin protein expressed by E.coli
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications

Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Human Ferritin protein standard curve. Background subtracted standard curve using

Ferritin antibody(AN000070P)(Capture), Ferritin antibody(AN000070P)(Detector) in sandwich ELISA. The reference range value for Recombinant Human Ferritin protein is 0.156-10 ng/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

FTH (Ferritin Heavy Chain 1, also Proliferation-Inducing Protein 15, PIG15, and PIIF) is a 183 aa cytosolic and secreted protein. Human FTH is highly conserved among species and shares 93% and 95% aa identity with mouse and rat FTH, respectively. Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Also plays a role in delivery of iron to cells. Mediates iron uptake in capsule cells of the developing kidney.

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