

Datasheet for 200-403-090**Ferritin Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Ferritin (Human Spleen) (RABBIT) Antibody Peroxidase Conjugated (BULK ORDER) - 200-403-090
Item No.:	200-403-090
Size:	20 mg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Ferritin is a intracellular protein that directly stores iron and regulates its release, specifically acting as a buffer for iron in humans. Ferritin is composed of 24 subunits and comes in two types, H and L. The H subunit detoxifies iron while the L subunit deals with long term storage of iron. Depending on the concentration of ferritin in the blood, different disorders and diseases could be present in an individual. Anti-Ferritin (Human Spleen) Antibody is ideal for investigators in Cancer, Immunology, and Cardiovascular Research.
Synonyms:	rabbit anti-Ferritin Antibody HRP Conjugation, peroxidase conjugated rabbit anti-Ferritin Antibody, FTHL6, Ferritin H subunit, Ferritin heavy chain like, Ferritin heavy polypeptide 1, Ferritin L subunit, Ferritin light chain like, Ferritin light polypeptide, Ferritin, heavy polypeptide, FTH
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FTH1
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Reactivity:	Human
Immunogen Type:	Native Protein
Immunogen:	Ferritin [Human Spleen]
Purity/Specificity:	Anti-Ferritin (Human Spleen) Antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Ferritin [Human Spleen]. Cross reactivity against Ferritin from other sources is unknown.
Relevant Links:	• NCBI - AAH66341.1 • UniProtKB - P02794 • GeneID - 2495 • SDS

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Ferritin (Human Spleen) Peroxidase Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 µg of Ferritin [Human Spleen] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:12,000 to 1:60,000 of the reconstitution concentration is suggested for Anti-Ferritin (Human Spleen) Antibody.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:2,000 - 1:10,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,000

Formulation

Physical State:	Lyophilized
Concentration:	10 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.