



Anti-PEROXIDASE (Horseradish) (GOAT) Antibody - 100-1138

Code: 100-1138

Size: 2 mL

Product Description: Anti-PEROXIDASE (Horseradish) (GOAT) Antibody - 100-1138

Concentration: 45.0 mg/mL by Refractometry

PhysicalState: Lyophilized

Label	Unconjugated
Host	Goat
Buffer	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	None
Storage Condition	Store anti-HRP 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.
Synonyms	HRP, Horseradish peroxidase, Goat-anti-peroxidase antibody, anti-HRP
Application Note	Anti-Peroxidase (Horesradish) (Goat) Antibody has been assayed against 1.0 ug of Peroxidase [Horseradish] in a standard ELISA using Alkaline Phosphatase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4502 and pNPP as a substrate for 30 minutes at room temperature. A working dilution of 1:9,000 to 1:40,000 of the reconstitution concentration is suggested for this product.
Background	<p>Horse Radish Peroxidase (HRP) is an enzyme that utilize organic peroxide compounds as electron donors. Naturally provides protection for plants against pathogens, but can be utilized in molecular biology to convert various substrates to detectable compounds (such as in Western Blotting and ELISAs).</p> <p>Anti-Peroxidase (Horseradish) (Goat) Antibody is ideal for investigators in Microbiology, Immunology, and Cell Biology research.</p>
Purity And Specificity	Anti-Peroxidase (Horseradish) (goat) antibody was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Peroxidase [Horseradish]. Cross reactivity against Peroxidase from other tissues and species may occur but have not been specifically determined.
Assay Dilutions	User Optimized
ELISA	1:9,000 - 1:40,000
WESTERN BLOT	1:900 - 1:4,000
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Peroxidase [Horseradish]
General Reference	Veitch, Nigel C. (2004). Horseradish peroxidase: a modern view of a classic enzyme. Phytochemistry. Feb., Vol. 65. (3): 249-259.

Related Products

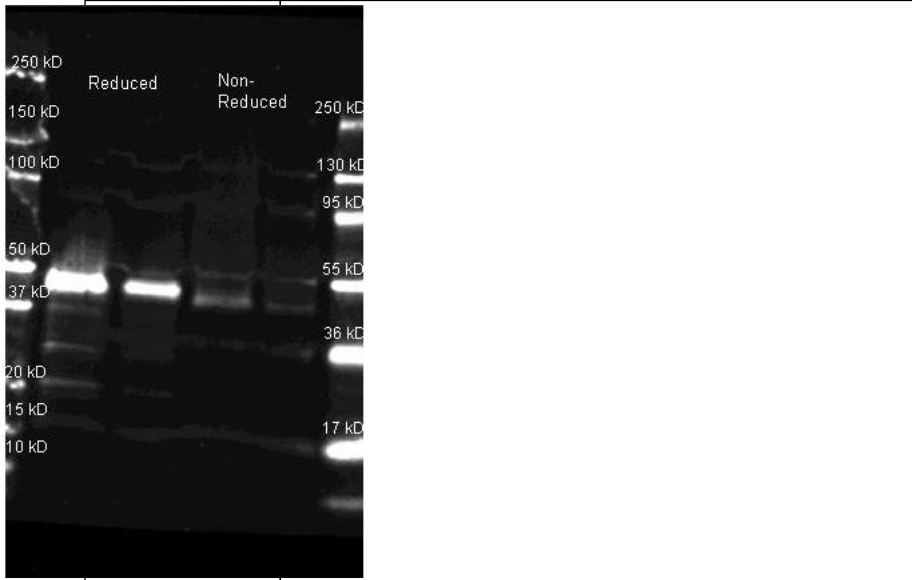
100-2138	Anti-PEROXIDASE (Horseradish) (GUINEA PIG) Antibody - 100-2138
100-3138	Anti-PEROXIDASE (Horseradish) (MOUSE) Antibody - 100-3138
100-4138	Anti-PEROXIDASE (Horseradish) (RABBIT) Antibody - 100-4138
100-5138	Anti-PEROXIDASE (Horseradish) (RAT) Antibody - 100-5138

Related Links

Images

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Western Blot of Goat anti-Peroxidase Antibody. Lane 1: horse radish peroxidase Reduced. Lane 2: horse radish peroxidase Reduced. Lane 3: horse radish peroxidase Non-Reduced. Lane 4: horse radish peroxidase Non-Reduced. Load: Lane 1 and 3 - 1.0 µg per lane, Lane 2 and 4 - 0.25 µg per lane. Primary antibody: Peroxidase antibody at 1:5,000 for overnight at 4°C. Secondary antibody: DyLight™ 649 goat secondary antibody at 1:10,000 for 90 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 40 kDa/40 kDa for Horse radish peroxidase. Other band(s): Horse radish peroxidase splice variants and isoforms.



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