

Polyclonal Antibody to Pyranose Oxidase - Biotin

Catalog No.:	R1156B
Quantity:	10 mg
Concentration:	10.0 mg/ml (by UV absorbance at 280 nm)
Host:	Goat
Immunogen:	Pyranose Oxidase [E.coli].
Format:	<p>State: Lyophilized purified Ig fraction.</p> <p>Purification: Multistep process.</p> <p>Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer and 0.01% (w/v) Sodium Azide as preservative.</p> <p>Label: Biotin – Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC)</p> <p>Molar Ratio: 10-20 BAC molecules per Rabbit IgG molecule.</p> <p>Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).</p>
Applications:	<p>Suitable for Immunoblotting, ELISA, Immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency.</p> <p>Recommended Dilutions: This product has been assayed against 1.0 µg of Pyranose Oxidase in a standard capture ELISA using Peroxidase Conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenzthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:70,000 to 1:350,000 of the reconstitution concentration is suggested for this product.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This product is an IgG fraction antibody purified from monospecific antiserum by a multistep process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.</p> <p>Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum as well as purified and partially purified Pyranose Oxidase [E.coli].</p> <p>Cross reactivity against Pyranose Oxidase from other sources is unknown.</p>
Storage:	<p>Store vial at 2-8°C prior to restoration. For extended storage add glycerol to 50% and then aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature.</p> <p>This antibody is stable for one month at 2-8°C as an undiluted liquid.</p> <p>Dilute only prior to immediate use.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: One year from despatch.</p>
General Readings:	Bayer & Wilchek Methods in Enzymology 184; 138-160, 1990. (Conjugation)