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Product datasheet for AP09102HR-S

Glucose Oxidase Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**ELISA**: 1/10,000-1/40,000. **Western blot**: 1/1,000-1/5,000. This antibody has been assayed against 1.0 µg of Glucose Oxidase [Aspergillus niger] in a standard capture ELISA using ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/1,000 to 1/3,000 of the reconstitution concentration is suggested.
Reactivity:	Human
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Glucose Oxidase from Aspergillus niger
Specificity:	This antibody reacts to Glucose Oxidase [Aspergillus niger]. Cross reactivity against Glucose Oxidase from other tissues and species may occur but have not been specifically determined. Immunoelectrophoresis give a single precipitin arc against anti-peroxidase, anti-sheep serum as well as purified and partially purified Glucose Oxidase.
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 Label: HRP State: Purified State: Lyophilized IgG fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Gentamicin sulfate (Do NOT add Sodium azide!) Label: Horseradish peroxidase
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	HRP

Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P13006
Background:	Glucose Oxidase is widely used for the determination of glucose in body fluids and in removing residual glucose or oxygen from foods and beverages. Glucose Oxidase producing moulds such as Aspergillus and Penicillium species are used for the biological production of gluconic acid.
Synonyms:	Glucose oxyhydrase, Beta-D-glucose:oxygen 1-oxido-reductase, gox