

Datasheet for 100-6137

Glucose Oxidase Antibody

Overview

Description:	Anti-Glucose Oxidase (SHEEP) Antibody - 100-6137
Item No.:	100-6137
Size:	2 mL
Reactivity:	Aspergillus niger
Host Species:	Sheep

Product Details

Background:	Glucose Oxidase enzyme is widely applied for the determination of glucose in body fluids and in removing residual glucose or oxygen from foods and beverages. Furthermore, glucose oxidase-producing molds such as aspergillus and penicillium species are used for the biological production of gluconic acid.
Synonyms:	sheep anti-Glucose Oxidase Antibody, Beta D Glucose Oxygen 1 Oxido Reductase antibody, Glucose oxidase (Precursor) antibody, Glucose Oxyhydrase antibody, GOD antibody
Host Species:	Sheep
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	gox
Reactivity:	Aspergillus niger
Immunogen Type:	Native Protein
Immunogen:	Glucose Oxidase [Aspergillus niger]
Purity/Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-sheep serum, purified and partially purified Glucose Oxidase [Aspergillus niger]. Cross reactivity against Glucose Oxidase from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P13006](#)

Application Details

Application Note: This product has been assayed against 1.0 ug of Glucose Oxidase [*Aspergillus niger*] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Sheep IgG [H&L] (Sheep) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:5,000 of the reconstitution concentration is suggested for this product.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000 - 1:25,000

WB: 1:500 - 1:3,000

Formulation

Physical State: Lyophilized

Concentration: 90 mg/mL by Refractometry

Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: None

Stabilizer: None

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

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