

## Product datasheet for **TA397102S**

### gox Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>WB:</b> User Optimized
Reactivity:	Aspergillus niger
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Glucose Oxidase [Aspergillus niger]
Specificity:	Anti-Glucose Oxidase (Sheep) 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-Sheep Serum as well as 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.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	HRP
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	<u><a href="#">P13006</a></u>



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**Background:**

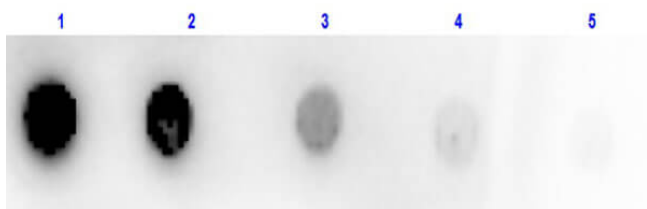
Glucose oxidase is an enzyme that drives the oxidation of glucose into hydrogen peroxide and D-glucono- $\delta$ -lactone. This activity is utilized in biotechnology through colormetric detection assays that are sensitive to the amount of hydrogen peroxide produced. Horseradish Peroxidase (HRP) is an enzyme that utilizes organic peroxide compounds as electron donors. Horseradish Peroxidase 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). Anti-Glucose Oxidase (Sheep) antibody is ideal for investigators in Microbiology, Immunology, and Cell Biology research.

**Synonyms:**

sheep anti-Glucose Oxidase HRP conjugated Antibody, peroxidase conjugated sheep anti-Glucose Oxidase Antibody, Beta D Glucose Oxygen 1 Oxido Reductase antibody, Glucose oxidase (Precursor) antibody, Glucose Oxyhydrase antibody, GOD antibody

**Note:**

Anti-Glucose Oxidase peroxidase conjugated antibody has been tested by dot blot and is suitable to be assayed against 1.0 ug of Glucose Oxidase [*Aspergillus niger*] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) 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 for this product.

**Product images:**


Dot Blot of Sheep Anti-GLUCOSE OXIDASE Antibody Peroxidase Conjugated. Lane 1: 100 ng Glucose Oxidase. Lanes 2-5: serial dilution 3 fold of Antigen. Primary Antibody: none. Secondary Antibody: Anti-Glucose Oxidase Peroxidase Conj'd (p/n 200-6337-0100) at 1:100 dilution of 1 mg/mL at RT for 30 minutes. Block: MB-070 at RT for 30 minutes.