**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for R1083

## Glucose Oxidase Rabbit Polyclonal Antibody

### Product data:

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|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IP, WB |
| **Recommended Dilution:** | Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation and most immunological methods requiring high titer and specificity.<br>Recommended Dilutions: This product has been assayed against 1.0 ug of Glucose Oxidase [Aspergillus niger] in a standard sandwich ELISA using peroxidase conjugated affinity purified anti-rabbit IgG and ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/4,000-1/16,000 of the reconstitution concentration is suggested. |
| **Reactivity:** | Aspergillus |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Glucose Oxidase [Aspergillus niger]. |
| **Specificity:** | Immunoelectrophoresis give in a single precipitin arc against 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:** | 0.01 M Sodium phosphate, 0.15 M Sodium chloride, pH 7.2 containing no preservatives/stabilizers<br>State: Serum<br>State: Lyophilized purified Ig faction. |
| **Reconstitution Method:** | Restore with 2.0 ml of deionized water (or equivalent). |
| **Concentration:** | lot specific |
| **Purification:** | Prepared from monospecific antiserum by a delipidation and defibrination. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Dilute only prior to immediate use. Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Database Link:** | P13006 |

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**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.
CATALYTIC ACTIVITY: Beta D glucose + O2 = D glucono 1,5 lactone + H2O2.

**Synonyms:** Glucose oxyhydrase, Beta-D-glucose:oxygen 1-oxido-reductase, gox