

## Product Information

### **Anti-Glucose-6-Phosphate Dehydrogenase (G-6-PDH)**

produced in rabbit, IgG fraction of antiserum

Catalog Number **A9521**

#### **Product Description**

Anti-Glucose-6-Phosphate Dehydrogenase (G-6-PDH) is produced in rabbit using G-6-PDH purified from Bakers yeast (*S. cerevisiae*) as the immunogen. Whole antiserum is fractionated and then further purified by ion exchange chromatography to provide the IgG fraction of antiserum. This fraction is essentially free of other rabbit serum proteins.

#### **Reagent**

Supplied lyophilized from 0.01 M phosphate buffered saline, to which no preservatives have been added.

#### **Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### **Reconstitution**

To one vial of lyophilized powder add 2 ml of deionized water. Rotate vial gently until powder dissolves.

#### **Storage/Stability**

Prior to reconstitution store the product at 2-8 °C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

#### **Specificity**

The antiserum is determined to be specific for G-6-PDH by immunoelectrophoresis (IEP) versus purified G-6-PDH.

#### **Identity and Purity**

Identity and purity of the antibody is established by immunoelectrophoresis. Electrophoresis of the antibody preparation followed by diffusion versus anti-rabbit IgG and anti-rabbit whole serum results in single arcs of precipitation in the gamma region.

**Protein Concentration:** 5-30 mg/mL by Biuret.

#### **ELISA Analysis**

Antibody titer 1:15,000-1:30,000 using G-6-PDH.

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