

# Product Information

## **Anti-Monkey IgG (whole molecule)–Alkaline Phosphatase** produced in rabbit, affinity isolated antibody

Catalog No. **A1929**

### **Product Description**

Antiserum is produced in rabbit using purified monkey IgG (rhesus) as the immunogen. Antibody is isolated from rabbit anti-monkey IgG antiserum by immuno-specific purification which removes essentially all rabbit serum proteins, including immunoglobulins, which do not specifically bind to monkey IgG. Anti-Monkey IgG is conjugated to alkaline phosphatase by protein cross-linking with 0.2% glutaraldehyde.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP), prior to conjugation. Electrophoresis of the antibody preparation followed by diffusion versus anti-rabbit IgG and anti-rabbit whole serum result in single arcs of precipitation.

Cross-reactivity of the product is determined by immunoelectrophoresis (IEP) and Ouchterlony Double Diffusion (ODD). The antibody shows cross reactivity with baboon and marmoset IgG's.

### **Reagent**

Supplied as a solution in 0.05 M Tris buffer, pH 8.0, containing 1% BSA, 1 mM MgCl<sub>2</sub>, with 15 mM sodium azide as a preservative.

### **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.

### **Product Profile**

Direct ELISA: minimum 1:40,000

We are now reporting lot specific information as a titer by direct ELISA rather than as a working dilution.

Titer is defined as the dilution of conjugate sufficient to give a change in absorbance of 1.0 at 400 nm after 30 minutes of substrate conversion at 25°C.<sup>1</sup>

Microtiter plates are coated with purified monkey IgG at a concentration of 20 µg/ml in phosphate buffered saline.

Substrate: *p*-Nitrophenyl Phosphate (pNPP, Catalog No. N2765, 1.0 mg/ml in 10% diethanolamine buffer, pH 9.8, containing 0.2% sodium azide.

Dot Blot: a minimum dilution of 1:60,000 was determined in a direct chemiluminescence assay using 20 ng monkey IgG/dot. 1,2-Dioxetane and enhancer was used as substrate.

**Note:** Working dilution should be determined by titration assay. Due to differences in assay systems, this titer may not reflect the user's actual working dilution.

### **Storage**

Store at 2–8°C. Do Not Freeze.

### **Reference**

1. Voller, A., et al., Bulletin WHO, **53**, 55 (1976).

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