ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Anti-Horse IgG Antibodies and Conjugates

Cat # 80880	Rabbit Anti-Horse IgG (H+L), unlabeled aff pure	**Size**: 0.5 mg
Cat # 80881	Rabbit Anti-Horse IgG (H+L)-HRP conjugate	**Size**: 0.5 ml

Rabbits were immunized with antigen grade **horse IgG**. Whole IgG antibodies are isolated as intact molecules from antisera by immunoaffinity chromatography. They have an Fc portion and two antigen binding Fab portions joined together by disulfide bonds and therefore they are divalent. The average molecular weight is reported to be about 160 kDa. The whole IgG form of antibodies is suitable for the majority of immunodetection procedures and is the most cost effective.
Based on immunoelectrophoresis and/or ELISA, the antibody reacts with whole molecule horse IgG. It also reacts with the light chains of other horse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. The antibody may cross-react with immunoglobulins from other species.
Purified anti-horse IgG antibody is supplied as unlabeled or conjugated to HRP.

Form and Storage

Cat # 80880, Anti-Horse IgG, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.09% azide in **liquid** form (lot specific conc on the vial). Store at 4°C for short term or -20°C in suitable aliquots. Stability is ~12 months. Avoid repeated freezing and thawing.

Suggested Working Concentration: 10-20 ug/ml

Cat # 80881, Anti-Horse IgG -HRP-conjugate

Purified antibody was coupled to HRP (RZ>3.0) using periodate method. The molar enzyme to protein (E/P) ratio = 4.0. The antibody is supplied in PBS containing 0.2% BSA in lyophilized or **liquid** form (lot specific conc on the vial). Store at 4°C. Stability is ~12 months. Do not freeze and thaw.

If supplied in lyophilized form, reconstitute with 1.5 ml dH2O and centrifuge if not clear. Prepare working dilution on day of use.

Suggested conjugate dilutions are 1:5000-1:100,000 ELISA and Western blotting with chromogenic substrates, 1:10,000 - 1:200,000 for Western blotting with ECL substrates, and 1:500-1:5000 (IHC).

Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. Working solution should be prepared immediately before use and diluted solution should be discarded.

Related Material available for ADI

Catalog#	Product Description
80819	Goat Anti-Horse IgG (H+L), unlabeled aff pure
80820	Goat Anti-Horse IgG (H+L)-HRP conjugate
80840	Goat Anti-Horse IgG (H+L)-Biotin conjugate
80850	Goat Anti-Horse IgG (Fc), unlabeled aff pure
80851	Goat Anti-Horse IgG (Fc)-HRP conjugate
80852-HP	Goat Anti-Horse IgG F(ab')2-HRP conjugate
80852-UL	Goat Anti-Horse IgG F(ab')2 IgG, aff pure
80860	Goat Anti-Horse IgM, unlabeled aff pure
80861	Goat Anti-Horse IgM-HRP conjugate
80870	Goat Anti-Horse IgE, unlabeled aff pure
80871	Goat Anti-Horse IgE-HRP conjugate
80872-U	Monoclonal Anti-Horse IgE, unlabeled

80880 200626AC

Alpha Diagnostic Intl Inc., 4638 N Loop 1604 West, San Antonio, TX 78249, USA; **Email**: techsupport@4adi.com
☎ (800) 786-5777; (210) 561-9515; **Fax**: (210) 561-9544; **Web Site**: www.4adi.com