

Product Data Sheet

**Anti-Humanized IgA+IgG+IgM –Antibody and Conjugate**

**Cat# 10355-UL**

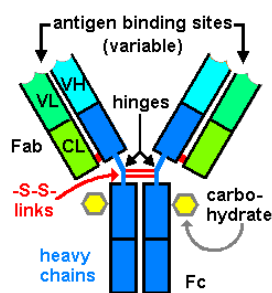
Goat Anti-Human IgA+IgG+IgM (H+L) unlabeled

**Size: 0.5 ml**

**Cat# 10355-HP**

Goat Anti-Human IgA+IgG+IgM (H+L) HRP

**Size: 0.5 ml**



Immunoglobulin G (IgG)

Immunoglobulin G (IgG) is a type of antibody. It is a protein complex composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. IgG has molecular weight of approximately 150 kDa, heavy or H chain approximately 50 kDa and light or L chain 25 kDa. Each IgG has two antigen binding sites. Representing

approximately 75% of serum antibodies in humans, IgG is the most common type of antibody found in the circulation.

Goats were immunized with antigen grade **Human IgG, IgA, and IgM (H+L)**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. Purified anti-human IgG (H+L) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

**Source of antibodies**

Anti-humanized IgG are polyclonal antibodies produced in goat and affinity purified. This secondary antibody is made to human IgA, human IgG, and human IgM, both heavy and light chains (whole IgA, IgM, and IgG).

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The antibody is supplied in PBS, pH 7.4, and 0.09% azide in **lyophilized** form. Reconstitute powder in PBS in 1 ml to prepare stock solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 10355-HP, HRP-Conjugate**

Purified antibody was coupled to HRP (RZ>3.0) using periodate method. The antibody is supplied in stabilizing buffer at a concentration of 0.25 mg/ml, 0.1% prolcin-300 is included as a preservative. Store at 4°C. Stability is ~6-12 months. Do not freeze and thaw.

**Suggested Working Dilutions:**

**ELISA:** 0.1-1 ug/ml

**Western Blotting:** 0.05-0.5 ug/ml

**Histochemistry:** 1-5 ug/ml

**Related Material available for ADI**

10355-UL-HP

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