

# Goat anti-Human IgG (H+L) Secondary Antibody, HRP

## Product Details

Size	2 mL
Species Reactivity	Human
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Form	Lyophilized
Concentration	0.8 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.6, with 15mg/mL BSA
Contains	no preservative
Storage conditions	4° C
RRID	AB_228269

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10,000-1:200,000	0 Publication
Immunohistochemistry (IHC)	1:500-1:5,000	-
Immunocytochemistry (ICC/IF)	1:500-1:5,000	-
Miscellaneous PubMed (Misc)	-	0 Publication

## Product Specific Information

Concentration may vary slightly from lot-to-lot, see lot-specific datasheet for exact concentration.

This antibody has been successfully used in Western blot, and ICC applications.

**Antibody Specificity:** This antibody reacts with the heavy chains of human IgG and with the light chains common to most human immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. However, antibodies may cross-react with immunoglobulins from other species.

**Restoration and Storage:** Store product at 4°C until opened. Restore with 2.0 mL distilled water. Centrifuge product if it is not completely clear after standing for 1-2 hours at room temperature. To judge clarity, draw product into a pasteur pipette. Product may be stored for several weeks at 4°C as an undiluted liquid. After dilution, do not use for more than one day.

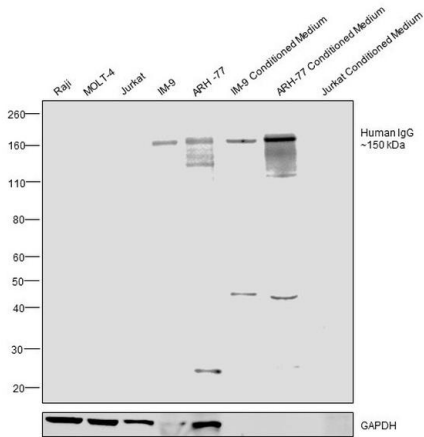
To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C.

Country of Origin: USA

Product Images For Goat anti-Human IgG (H+L) Secondary Antibody, HRP

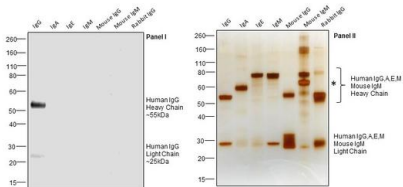
Human IgG (H+L) Secondary Antibody (31410) in WB

Western blot (non-reducing) was performed using Goat anti-Human IgG (H+L) Secondary Antibody, HRP (Product # 31410) and a 150 kDa band corresponding to Human IgG was observed in IM-9, ARH-77 and IM-9, ARH-77 conditioned medium8203 (CM) but not in Raji, Molt-4, Jurkat and Jurkat CM which are known to have low expression. Whole cell lysate (30 µg) of Raji (Lane 1), MOLT-4 (Lane 2), Jurkat (Lane 3), IM-9 (Lane 4), ARH-77 (Lane 5), IM-9 CM (Lane 6), ARH-77 CM (Lane 7) and Jurkat CM (Lane 8) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed Goat anti-Human IgG (H+L) Secondary Antibody, HRP (Product # 31410) (1:2000 dilution) and detected by chemiluminescence using iBright FL1500 (Product # A44115). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). IM-9 and ARH-77 express and secrete IgG whereas Raji is known to express IgM. MOLT-4 and Jurkat (T-cell lines) do not express immunoglobulins. (DOI:10.1002/eji.1830100305;10.3791/3573;10.1016/0022-1759(94)00286-6;PMID: 566614).



Human IgG (H+L) Secondary Antibody (31410) in WB

Western blot was performed using Goat anti-Human IgG (H+L) Secondary Antibody, HRP (Product # 31410) and ~55 kDa and ~25 kDa bands corresponding to Human IgG Heavy and Light Chain respectively was observed in Human IgG but not in IgA, IgE, IgM, Mouse IgG, Mouse IgM and Rabbit IgG (Panel I). Purified protein (100 ng) of Human IgG (Lane 1), IgA (Lane 2), IgE (Lane 3), IgM (Lane 4), Mouse IgG (Lane 5), Mouse IgM (Lane 6) and Rabbit IgG (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Goat anti-Human IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP (Product # 31410) (1:2,000 dilution) and detected using the iBright FL1500 (Product # A44115). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Silver staining was performed to establish equivalent loading of purified proteins using the Pierce™ Silver Stain Kit (Product # 24612) (Panel II). A band corresponding to BSA (\*) which is part of the Mouse IgM formulation can be seen at ~60 kDa.



ER export via SURF4 uses diverse mechanisms of both client and coat engagement. J Cell Biol (2025)

Administration of antigenically distinct influenza viral particle combinations as an influenza vaccine strategy. PLoS Pathog (2025)

Epistasis in the receptor binding domain of contemporary H3N2 viruses that reverted to bind sialylated diLacNAc repeats bioRxiv (2024)

An investigation of the immune epitopes of adeno-associated virus capsid-derived peptides among hemophilia patients. Mol Ther Methods Clin Dev (2024)

Structural Basis for Multivalent MUC16 Recognition and Robust Anti-Pancreatic Cancer Activity of Humanized Antibody AR9.6. Mol Cancer Ther (2024)

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