

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

## Product Details

Size	1 mg
Species Reactivity	Human
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Immunogen	Gamma Immunoglobins Heavy and Light chains
Form	Lyophilized
Concentration	2.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.1% ProClin 150
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2535582

## Applications

## Tested Dilution

## Publications

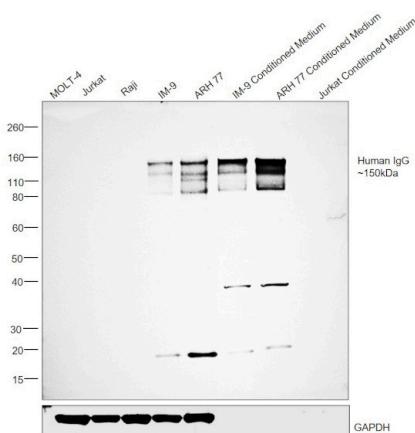
Western Blot (WB)	1:500-1:20,000	-
Immunohistochemistry (IHC)	1:500-1:20,000	-
ELISA (ELISA)	1:500-1:20,000	0 Publication

## Product Specific Information

The sensitivity of each lot of antibody is confirmed using ELISA. The specificity of each lot of antibody is confirmed by immunoelectrophoresis (IEP).

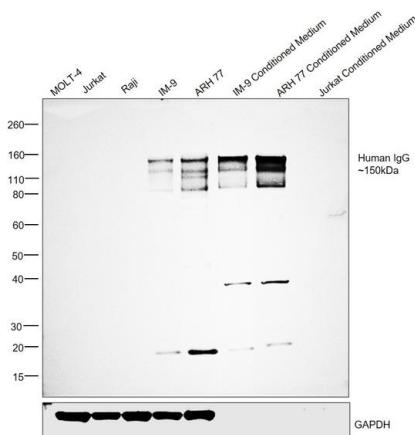
Rehydrate with 1.1 mL of deionized water and let stand 30 minutes at room temperature to dissolve. (Product has been overfilled to ensure complete recovery.) Centrifuge to remove any particulates. Prepare fresh working dilution daily. Store lyophilized material at 2-8 °C. For long term storage after reconstitution, dilute with 50% glycerol and store at -20 °C as a liquid. Based on Immunoelectrophoresis, no reactivity is observed to: non-immunoglobulin human serum immunoglobulins.

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



### Human IgG (H+L) Secondary Antibody (A18805)

Antibody specificity was demonstrated by detection of differential basal expression of IgG across cell lines owing to their inherent genetic constitution. Relative expression of Human IgG was observed in IM-9, ARH-77 and IM-9, ARH-77 conditioned medium (CM) but not in Raji, MOLT-4, Jurkat and Jurkat CM using Goat anti-Human IgG (H+L) Secondary Antibody, HRP (Product # A-18805) in Western Blot. 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). {RE}

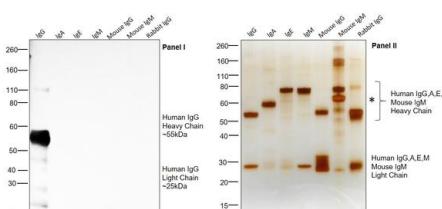


### Human IgG (H+L) Secondary Antibody (A18805) in WB

Western blot (non-reducing) was performed using Goat anti-Human IgG (H+L) Secondary Antibody, HRP (Product # A-18805) 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, Jurkat, Molt-4 and Jurkat CM which are known to have low expression. Whole cell lysate (30 µg) of MOLT-4 (Lane 1), Jurkat (Lane 2), Raji (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 with Goat anti-Human IgG (H+L) Secondary Antibody, HRP (Product # A18805) (1:2000 dilution) and detected by chemiluminescence using iBright FL1500 (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).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 (A18805) in WB

Western blot was performed using Goat anti-Human IgG (H+L) Cross-Adsorbed Secondary Antibody, HRP (Product # A-18805) 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 # A18805) (1:2000 dilution) and detected using the iBright FL1500 (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580)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.



## 49 References

Target sequence-conditioned design of peptide binders using masked language modeling. *Nat Biotechnol* (2025)

RareFold: Structure prediction and design of proteins with noncanonical amino acids *bioRxiv* (2025)

Autoantibodies to protein S may explain rare cases of coagulopathy following COVID-19 vaccination. *Sci Rep* (2024)

Improved influenza vaccine responses after expression of multiple viral glycoproteins from a single mRNA. *Nat Commun* (2024)

CRISPR-Cas12a2-based rapid and sensitive detection system for target nucleic acid *medRxiv* (2024)

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