Goat anti-Armenian Hamster IgG (H+L) Secondary Antibody, HRP

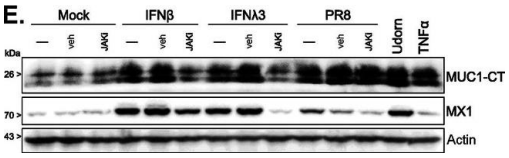
Product Details	
Size	500 µg
Species Reactivity	Hamster
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	HRP
Immunogen	Armenian Hamster IgG whole molecule
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 10mg/mL BSA
Contains	0.01% gentamicin sulfate
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10985178

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	0 Publication
Immunohistochemistry (IHC)	1:1,000-1:5,000	-
ELISA (ELISA)	1:150000-1:250000	-

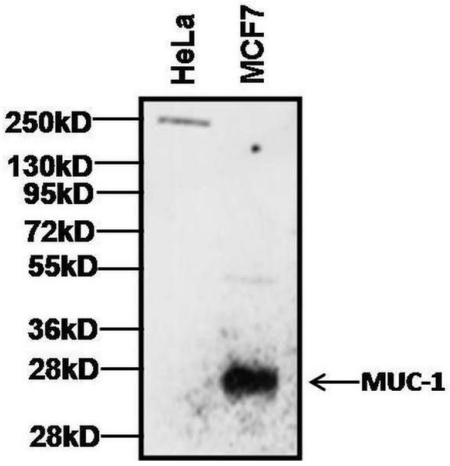
Product Specific Information

Greatly diminished reactivity will occur against Golden Syrian hamster IgG.

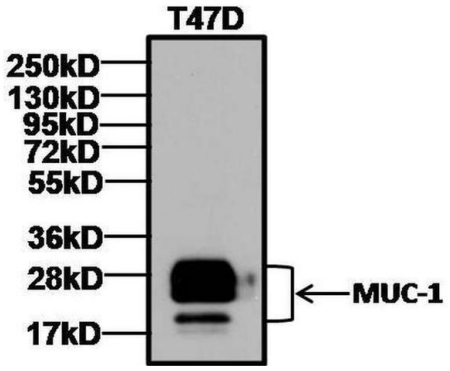
Product Images For Goat anti-Armenian Hamster IgG (H+L) Secondary Antibody, HRP



Armenian Hamster IgG (H+L) Secondary Antibody (PA1-32045) in WB
Cell-associated MUC1 levels are upregulated during IAV infection and IFN treatment. HAE were stimulated with (A) IFN-, (A) TNF-, or (B) IFN-3 or (C) infected with PR8 (5 × 104 PFU; approximate MOI of 1), and MUC1 expression was quantified by qPCR after 24 h of treatment. (D) HAE were stimulated as indicated or infected with PR8 as for panels A to C for 24 h, protein lysate collected, and MUC1 expression quantified by Western blotting for MUC1-CT. MUC1-CT band intensity was analyzed by densitometry relative to actin band intensity. (E) HAE were stimulated with IFN-, IFN-3, or PR8 alone (-) or in the presence of the JAK inhibitor ruxolitinib (JAKi) or DMSO as a vehicle control (veh). Additional cultures were stimulated with Udorn or TNF- alone. After 24 h, lysate was collected and analyzed by Western blotting for MUC1-CT, MX1, or actin. Results in panels A to C are from three experimental replicates utilizing three different HAE donors with a minimum of three biological replicates from each donor. The densitometry analysis (D) shows data from four experimental replicates utilizing four different HAE donors with one biological replicate from each donor. All experimental results were analyzed by the Mann-Whitney U test compared to mock conditions and are significant where indicated (*, P < 0.05; ns, not significant). Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/35699372), licensed under a CC BY license.



Armenian Hamster IgG (H+L) Secondary Antibody (PA1-32045) in WB
Western blot analysis of MUC-1 (CT2) was performed by loading 25 µg of HeLa (left lane) and MCF7 (right lane) cell lysates, and 10 µL of PageRuler Plus Prestained Protein Ladder (Product # 26619) onto a Novex® 4-20% Tris-Glycine polyacrylamide gel. Proteins were transferred to a PVDF membrane using the G2 Fast Blotter (Product # 62288), and blocked with 5% milk in TBST for 1 hour at room temperature. Small subunits of MUC-1 were detected between ~14 kD to 30 kD mainly in MCF7 breast cancer cell samples using a MUC-1 monoclonal antibody (Product # MA5-11202) at a concentration of 1 µg/mL overnight at 4C on a rocking platform, followed by a goat anti-Armenian hamster IgG-HRP secondary antibody (Product # PA1-32045) at a dilution of 1:10,000 for at least 1 hour at room temperature. Chemiluminescent detection was performed using SuperSignal West Dura (Product # 34076).



Armenian Hamster IgG (H+L) Secondary Antibody (PA1-32045) in WB
Western blot analysis of MUC-1 (CT2) was performed by loading 25 µg of T47D cell lysates, and 10 µL of PageRuler Plus Prestained Protein Ladder (Product # 26619) onto a Novex® 4-20% Tris-Glycine polyacrylamide gel. Proteins were transferred to a PVDF membrane using the G2 Fast Blotter (Product # 62288), and blocked with 5% milk in TBST for 1 hour at room temperature. Small subunits of MUC-1 were detected between ~14 kD to 30 kD using a MUC-1 monoclonal antibody (Product # MA5-11202) at a concentration of 1 µg/mL overnight at 4C on a rocking platform, followed by a goat anti-Armenian hamster IgG-HRP secondary antibody (Product # PA1-32045) at a dilution of 1:10,000 for at least 1 hour at room temperature. Chemiluminescent detection was performed using SuperSignal West Dura (Product # 34076).

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10 References

Apoptosis-mediated ADAM10 activation removes a mucin barrier promoting T cell efferocytosis. Nat Commun (2024)

Tapasin-mediated editing of the MHC I immunopeptidome is epitope specific and dependent on peptide off-rate, abundance, and level of tapasin expression. Front Immunol (2022)

Recombinant pregnancy-specific glycoprotein-1-Fc reduces functional deficit in a mouse model of permanent brain ischaemia. Brain Behav Immun Health (2022)

Membrane-Tethered Mucin 1 Is Stimulated by Interferon and Virus Infection in Multiple Cell Types and Inhibits Influenza A Virus Infection in Human Airway Epithelium. MBio (2022)

Antagonistic Antibody Targeting TNFR2 Inhibits Regulatory T Cell Function to Promote Anti-Tumor Activity. Front Immunol (2022)