Goat TrueBlot® Set (with IP Agarose beads) - 88-1488-31

Code: 88-1488-31 **Size:** 1 Set

Product Description: Goat TrueBlot® Set (with IP Agarose beads) - 88-1488-31

PhysicalState: Liquid (sterile filtered)

Label	HRP TrueBlot® ULTRA for IP/WB (with IP beads)
Species Reactivity	Goat
Buffer	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol
Storage Condition	Store TrueBlot® Anti-Goat Ig IP beads (00-8844-25) at 2-8 °C and Goat TrueBlot® (18-8814-31) at -20 °C. This product is guaranteed for 6 months upon receipt, when handled and stored as instructed.
Synonyms	Anti-Goat immunoglobulin Gamma, Agarose-conjugated IgG, Rb-a-Gt IgG, Rabbit-anti-Goat IgG, TrueBlot, TrueBlot for immunoprecipitation, IP Agarose beads for TrueBlot, HRP, HRP TrueBlot ULTRA, Peroxidase TrueBlot, TrueBlot for IP/WB, TrueBlot for western blotting
Application Note	Goat IgG TrueBlot® is provided as 1000X solution. To conserve reagent, we recommend incubating the blots from minigels in sealed bags (removing as much air as possible) with minimal volume (2-3 mLs). If used conservatively at 2.5mls/blot will yield enough reagent for 20 blots. Note that there are three key procedural considerations: 1. Protein A or G beads may be used with the mouse, goat and sheep TrueBlot secondaries, but not with the rabbit TrueBlot secondary. Use of protein A or G beads with the rabbit TrueBlot will result in contaminating bands. 2. Immunoprecipitate should be completely reduced. 3. BLOTTO/Milk should be used as the blocking protein for the immunoblot. MB-70 or BSA is not an effective blocker. Goat TrueBlot Set Components: 1. Goat IgG TrueBlot®. An HRP-conjugated second step reagent reacting with goat IgGs for optimal signal detection in immunoprecipitation/immunoblotting experiments. 2. Anti-Goat Ig IP Beads: 2.5 mL. Binds 1 mg Ig/mL beads. 3. Western blot incubation tray. Special Notes: Upon initial use of the IP beads, we recommend that the vial be inverted several times to get the beads into suspension. We recommend using a large bore pipet to pipet up the liquid for use. For storage of the opened vial of beads, we recommend that the vial cap be sealed with parafilm to help prevent evaporation of the buffer.
Background	Goat IgG TrueBlot® is a unique horseradish peroxidase conjugated Anti-Goat IgG immunoblotting (second step) reagent. Goat IgG TrueBlot® enables detection of immunoblotted target protein bands, without hindrance by interfering immunoprecipitating immunoglobulin heavy and light chains. It is easy to generate publication-quality IP/Western Blot data with Goat IgG TrueBlot®, simply substitute the conventional HRP Anti-Goat IgG blotting reagent with Goat IgG TrueBlot® and follow the prescribed protocol for sample preparation and immunoblotting. Goat IgG TrueBlot® is ideal for use in protocols involving immunoblotting of immunoprecipitated proteins. TrueBlot preferentially detects the non-reduced form of goat IgG over the reduced, SDS-denatured form of IgG. When the immunoprecipitate is fully reduced immediately prior to SDS-gel electrophoresis, reactivity of Goat IgG TrueBlot® with the 55 kDa heavy chains and the 23 kDa light chains of the immunoprecipitating antibody is minimized thereby eliminating interference by the heavy and light chains of the immunoprecipitating antibody in IP/Western blot applications. Applications include studies examining post-translational modification (e.g., phosphorylation or acetylation) or protein-protein interactions. Goat IgG TrueBlot may also be used for detection in immunoblotting assays that do not employ immunoprecipitation.
Purity And Specificity	Goat TrueBlot® Antibody Peroxidase Conjugate was prepared from tissue culture supernatant by Protein G affinity chromatography. Assay by Immunoelectrophoresis resulted in a single precipitin arc against Anti-Goat Serum. Reactivity is observed against native Goat IgG by both Western blot and ELISA.
Western Blot	1:1000
Expiration	Expiration date is six (6) months from date of opening.
General Reference	Kong, D., L. Xu, Y. Yu, W. Zhu, D.W. Andrews, Y. Yoon, and T.H. Kuo. 2005. Regulation of Ca2+-induced permeability transition by BCL-2 is antagonized by Drp1 and hFis1. Molecular and Cellular Biochemistry. 272: 187-199. (Rabbit IgG TrueBlot, PubMed)DiPerna, G., J. Stack, A.G. Bowie, A. Boyd, G. Kotwal, Z. Zhang, S. Arvikar, E. Latz, K.A. Fitzgerald, and W.L. Marshall. 2004. Poxvirus protein N1L targets the I-kappaB Kinase complex, inhibits signaling to NF-kappaB by the Tumor Necrosis Factor superfamily of receptors, and inhibits NF-kappaB and IRF3 signaling by Toll-like Receptors. J. Biol. Chem. 279: 36570-36578. (Rabbit IgG TrueBlot, PubMed)Zhang, X., Y. Ozawa, H. Lee, Y. Wen, T. Tan, B. Wadzinski, and E. Seto. 2005. Histone deacetylase 3 (HDAC3) activity is regulated by interaction with protein serine/threonine phosphatase 4. Genes & Development. 19: 827-839. (Rabbit IgG TrueBlot, PubMed)Lehtonen, S., E. Lehtonen, K. Kudlicka, H. Holthöfer, and M.G. Farquhar. 2004. Nephrin Forms a Complex with Adherens Junction Proteins and CASK in Podocytes and in Madin-Darby Canine Kidney Cells Expressing Nephrin. Am J Pathol. 165:923-936. (Rabbit IgG TrueBlot, PubMed)Tyagi A, Agarwal C, Harrison G, Glode LM, Agarwal R. 2004. Silibinin causes cell cycle arrest and apoptosis in human bladder transitional cell carcinoma cells by regulating CDKI-CDK-cyclin cascade, and caspase 3 and PARP cleavages. Carcinogenesis. 25: 1711-20. (Mouse IgG TrueBlot, PubMed)

Related Products

18-8814-31	Goat TrueBlot®: Anti-Goat IgG HRP18-8814-31
18-8814-33	Goat TrueBlot®: Anti-Goat IgG HRP18-8814-33

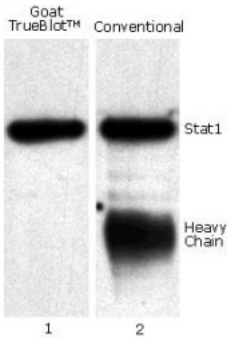
18-8815-31	Sheep TrueBlot®: Anti-Sheep IgG HRP18-8815-31
18-8815-33	Sheep TrueBlot®: Anti-Sheep IgG HRP18-8815-33

Related Links

Goat IgG TrueBlot Protocol

Images

1 Goat TrueBlot® IP / Western Blot: Jurkat cell lysate (0.5 ml of 1x10e7 cells/ml) was incubated with goat anti-human Stat1 and immunoprecipitated using Protein G. Precipitate from 5x10e5 cells was subjected to electrophoresis, transferred to a PVDF membrane, and Western blotted with anti-Stat1 using Goat TrueBlot®: Anti-Goat IgG HRP (lane 1) and conventional HRP-conjugated anti-goat polyclonal antibody (lane 2).



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