

Datasheet for 00-8800-25

TrueBlot® Anti-Rabbit Ig IP Agarose Beads**Overview**

Description:	TrueBlot® Anti-Rabbit Ig IP Agarose Beads - 00-8800-25
Item No.:	00-8800-25
Size:	2.5 mL
Applications:	IP, SDS-PAGE, WB, ChIP, Other
Reactivity:	Rabbit
Host Species:	Goat

Product Details

Background:	TrueBlot® Anti-Rabbit Ig IP Agarose Beads are a suspension of activated agarose beads coupled with goat Anti-rabbit IgG. It is suitable for precipitation of rabbit IgGs used as the primary antibodies in immunoprecipitation assays. The beads are in suspension and will settle upon storage. Prior to use, mix the vial gently (do not vortex) to ensure delivery of proper bead volume.
Synonyms:	Anti-Rabbit Immunoglobulin Gamma, Agarose-conjugated IgG, Gt-a-Rb IgG, Goat-anti-Rabbit IgG, TrueBlot for immunoprecipitation, IP beads for TrueBlot, Anti-Rabbit IgG IP agarose
Host Species:	Goat
Conjugate:	Agarose ULTRA
Clonality:	Polyclonal
Format:	IgG
Detection Kit Type:	Immunoprecipitation Kit

Target Details

Reactivity:	Rabbit
Purity/Specificity:	TrueBlot® Anti-Rabbit Ig IP Agarose Beads have been tested in SDS-Page, immunoprecipitation, and western blot.
Relevant Links:	• TrueBlot Rabbit IP Set Protocol • SDS

Application Details

Tested Applications:	IP, SDS-PAGE, WB
Suggested Applications:	ChIP, Other (Based on references)
Application Note:	Upon initial use of this product, 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, we recommend that the vial cap be sealed with parafilm to help prevent evaporation of the buffer. Procedure: Preparation of Immunoprecipitated Sample for SDS-PAGE: 1. Preclear cell lysate: Add 50 μL of Anti-Rabbit IgG Beads and 500μL of cell lysate sample to a microcentrifuge tube and incubate on ice for 30 minutes. Spin at 10,000xg for 3 minutes and transfer the supernatant to a new microcentrifuge tube. 2. Immunoprecipitation: Add 5 μg of primary antibody to the microcentrifuge tube containing the precleared lysate. Incubate on ice for 1 hour. Add 50 μL of Anti-Rabbit IgG Beads. Incubate for 1 hour on a rocking platform. Spin the microcentrifuge tube at 10,000xg for 1 minute. Remove supernatant completely and wash the (pelleted) beads 3 times with 500 μL of Lysis Buffer (50mM Tris HCl, pH 8.0; 150mM NaCl; 1% NP-40). 3. Prepare sample for SDS-PAGE: After the last wash, aspirate supernatant, and add 50 μL Laemmli Buffer (with 50 mM DTT or 2% β-mercaptoethanol, final) to bead pellet. Vortex and heat to 90-100 $^{\circ}$C for 10 minutes. Spin at 10,000xg for 3 minutes, collect supernatant, and load onto the gel. Avoid loading Anti-Rabbit Ig Beads. Note: The supernatant can be stored at -20 $^{\circ}$C for future use. After thawing, add fresh dithiothreitol and heat as above. Centrifuge the sample at 10,000xg for 1 minute in a microcentrifuge tube to pellet any Anti-Rabbit Ig Beads and immediately transfer an aliquot of the supernatant to gel wells.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ChIP:	User Optimized
IP:	TrueBlot anti-Rabbit Ig IP Beads (binds 2.5 mg Ig/ml beads) have been reported for use in IP
WB:	Use with Rabbit TrueBlot [®] (cat # 18-8816-33)

Formulation

Physical State:	Suspension of agarose beads
Concentration:	27.5 mg/cc antibody per cc agarose
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	None

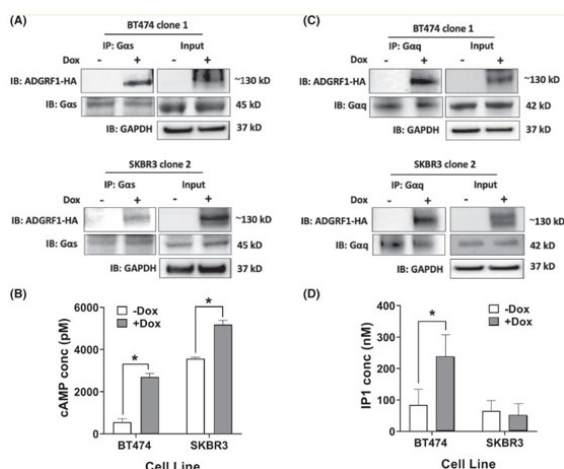
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vial at 4 °C prior to opening. DO NOT FREEZE.

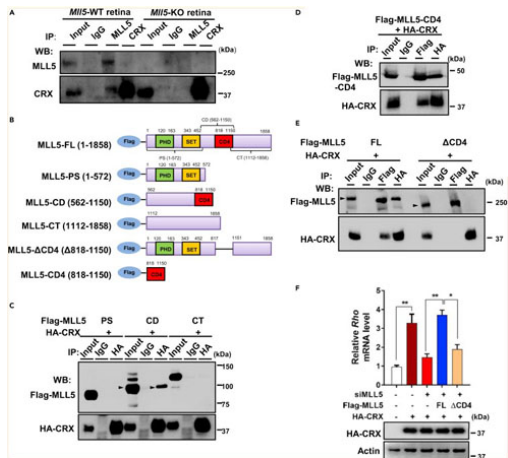
Expiration: Expiration date is six (6) months from date of receipt.

Images



Immunoprecipitation

ADGRF1 overexpression activates Gas/Gαq pathways. BT474 clone 1 and SKBR3 clone 2 were grown in absence (-) or presence (+) of doxycycline (Dox). A, Co-immunoprecipitation with anti-Gas and immunoblotting with anti-HA indicate that ADGRF1 couples to Gas in both BT474 and SKBR3. B, Basal levels of cAMP were significantly increased upon ADGRF1 overexpression with Dox in both cells. C, Co-immunoprecipitation with anti-Gαq and immunoblotting with anti-HA indicate that ADGRF1 couples also to Gαq in both cells. D, Basal levels of IP1 were significantly increased upon ADGRF1 overexpression with Dox in BT474 but not SKBR3 cells. *indicates statistically significant difference $P < .05$ by unpaired t test ($N = 3-4$). FIGURE 5. PMID: 34110646.



Immunoprecipitation

MLL5 interacts with CRX via its CD4 domain

(A) Interaction between endogenous MLL5 and CRX.

Equivalent amounts of retinal lysates from MII5-WT or MII5-KO mice were immunoprecipitated with anti-MLL5 antibody, anti-CRX or normal rabbit IgG, followed by western blotting detection.

(B) Schematic representation of MLL5 truncated mutants.

PS, PHD/SET domain; CD, central domain; CT, C-terminal domain. ΔCT4, deleted CT4 domain.

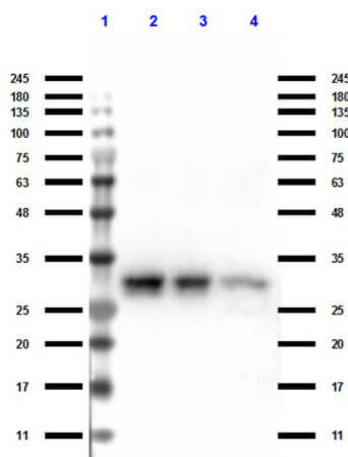
(C) MLL5 central domain (MLL5-CD) binding to CRX. HEK293T cells expressing HA-CRX together with Flag-MLL5-PS, Flag-MLL5-CD, or Flag-MLL5-CT were subjected to immunoprecipitation with the indicated antibodies followed by western blotting detection.

(D) Interaction between MLL5-CD4 and CRX. HEK293T cells expressing HA-CRX and Flag-MLL5-CD4 were immunoprecipitated with anti-HA antibodies and detected by anti-Flag and anti-HA antibodies.

(E) Depletion of MLL5 CD4 compromises MLL5 interaction with CRX. HEK293T cells expressing HA-CRX along with Flag-MLL5-FL or Flag-MLL5-ΔCD4 were immunoprecipitated with anti-HA and anti-Flag antibodies followed by western blotting detection.

(F) MLL5-ΔCD4 was less potent than MLL5-WT at rescuing transcription of Rho. qPCR analysis of Rho transcript in 661W (CRX OE) cells transfected with MLL5-siRNA (siMLL5) followed by transduction with the indicated lentivirus. Rho expression was normalized to the expression of Tbp. Error bars represent SEM (n = 3), $p < 0.01$, Student's t test.

Results in (A–F) are representative of at least three experimental repeats. Fig 4. PMID: 35359806.



Western Blot

Western Blot of TrueBlot® Anti-Rabbit Ig IP Agarose Beads.
 Lane 1: Protein Standard Opal Pre-stained (p/n MB-210-0500). Lane 2: Rb-a-GFP Input. Lane 3: Rb-a-GFP Unbound. Lane 4: Rb-a-Elute. Primary Antibody: TrueBlot® Anti-Rabbit Ig IP Agarose Beads (00-8800-25) at 1 µg/mL for overnight at 4°C. Secondary Antibody: TrueBlot® Rabbit Secondary HRP Antibody (p/n 18-8816-33) at 1:10,000 for 30 min at RT. Block: MB-070 at RT for 30 min. Predicted/Observed size: 27 kDa.

References

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