

# Product Datasheet

## Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [DyLight 680] NBP3-11667

Unit Size: 100 ul

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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**NBP3-11667**

Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [DyLight 680]

Product Information	
Unit Size	100 ul
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	eB182
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent).
Isotype	IgG
Conjugate	DyLight 680
Purity	Protein G purified
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/ml Polyethylene Glycol (PEG-8000)

Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This product was prepared from tissue culture supernatant by Protein G affinity chromatography. Assay by Immunoelectrophoresis resulted in a single precipitin arc against Anti-Rabbit Serum</p>
Host	Mouse
Species	Rabbit
Specificity/Sensitivity	Reactivity is observed against native Rabbit IgG by both Western blot and ELISA.
Immunogen	Rabbit IgG
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
Applications	Western Blot, Fluorophore-linked immunosorbent assay, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:2000 - 1:10000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:500 - 1:2500, Immunoprecipitation, Fluorophore-linked immunosorbent assay



**Application Notes**

This secondary antibody may also be used for detection in immunoassays that do not employ immunoprecipitation. It is provided as a lyophilized powder. 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 40 blots..

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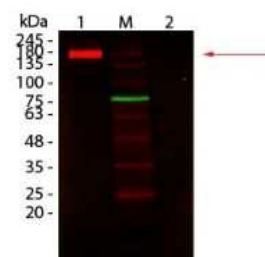
Note that there are three key procedural considerations:

1. Protein A or G should not be used for the immunoprecipitation. Use of protein A or G beads with the rabbit Pure-Blot will result in contaminating bands. For immunoprecipitation, anti-rat IgG beads, or anti-rabbit IgG beads should be used for rat or rabbit immunoprecipitating antibodies, respectively..
2. Immunoprecipitate should be completely reduced..
3. Blocking buffer for fluorescent western blotting should be used as the blocking protein for the immunoblot. All recommended dilutions for listed applications are intended as an initial recommendation, specific conditions for each protein and antibody combination should be specifically optimized by the end user.

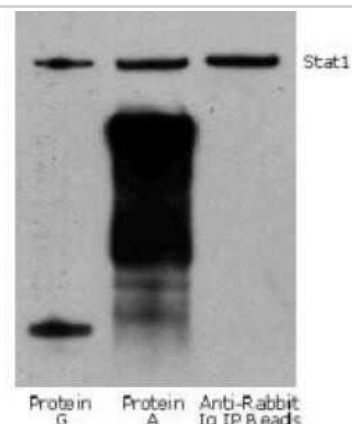


## Images

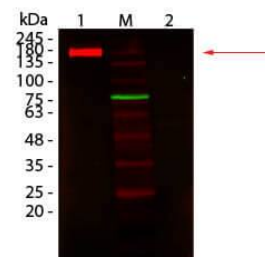
Western Blot: Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [DyLight 680] [NBP3-11667] - Lane 1: Rabbit IgG, Non-denatured. Lane 2: Rabbit IgG, Denatured. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary antibody (eB182) [DyLight 680] at 1:1,000 for 60 min at RT. Block for 30 min at RT. Predicted: 160 kDa for non-denatured; observed: 170-180 kDa for non-denatured. Band migrates at slightly higher molecular weight.



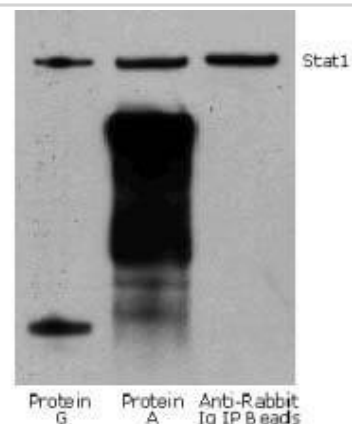
Western Blot: Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [DyLight 680] [NBP3-11667] - Jurkat cell lysate (0.5 ml of  $1 \times 10^7$  cells/ml) was incubated with rabbit anti-human Stat1 and immunoprecipitated using Protein G, Protein A and Anti-Rabbit Ig IP Beads. Precipitate from  $5 \times 10^5$  cells was subjected to electrophoresis, transferred to a PVDF membrane, and Western blotted with anti-Stat1 using Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary antibody (eB182) [DyLight 680].



Western Blot of Fluorescent TrueBlot(R): Anti-Rabbit IgG DyLight 680 Conjugated. Lane 1: Rabbit IgG, Non-denatured. Lane 2: Rabbit IgG, Denatured. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [DyLight 680] antibody at 1:1,000 for 60 min at RT. Block for 30 min at RT. Predicted: 160 kDa for non-denatured; observed: 170-180 kDa for non-denatured. Band migrates at slightly higher molecular weight.



Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [DyLight 680] / Western Blot: Jurkat cell lysate (0.5 ml of  $1 \times 10^7$  cells/ml) was incubated with rabbit anti-human Stat1 and immunoprecipitated using Protein G, Protein A and Anti-Rabbit Ig IP Beads. Precipitate from  $5 \times 10^5$  cells was subjected to electrophoresis, transferred to a PVDF membrane, and Western blotted with anti-Stat1 using Rabbit TrueBlot (R): Anti-Rabbit IgG HRP





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary Antibodies are guaranteed for 1 year from date of receipt.

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