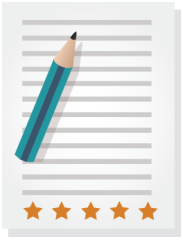
Product Datasheet

Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [FITC]
NBP3-11665

Unit Size: 100 ul

Store at -4C in powder form. Store at -20C once reconstituted.

Updated 7/23/2023 v.20.1



NBP3-11665

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

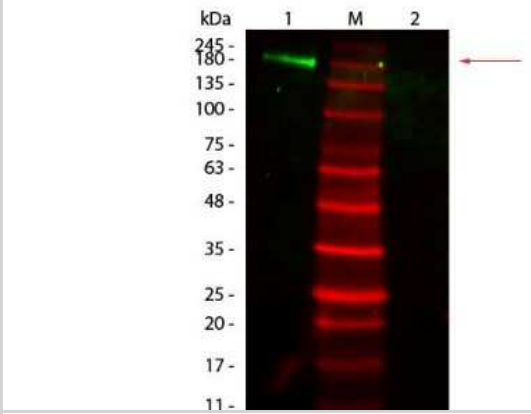
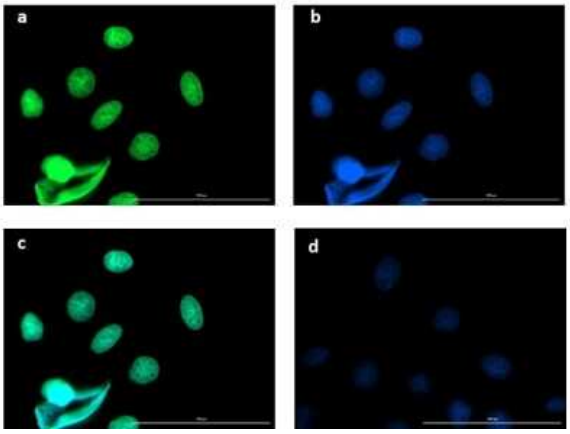
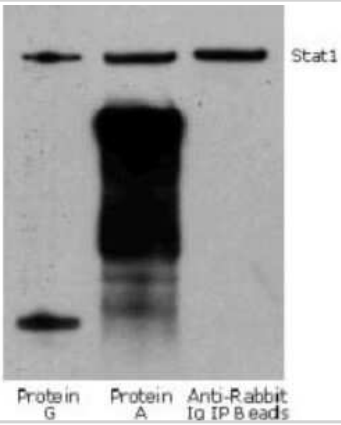
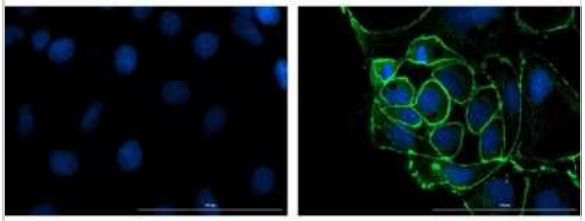
Product Information	
Unit Size	100 ul
Concentration	LYOPH mg/ml
Storage	Store at -4C in powder form. Store at -20C once reconstituted.
Clonality	Monoclonal
Clone	eB182
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent).
Isotype	IgG
Conjugate	FITC
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	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.
Host	Mouse
Species	Rabbit
Specificity/Sensitivity	Reactivity is observed against native Rabbit IgG by both Western blot and ELISA.
Immunogen	Rabbit IgG

Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/Immunofluorescence 1:500 - 1:2500, Immunoprecipitation

Application Notes	This secondary antibody is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. It is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms, and may also be used for detection in immunoassays that do not employ immunoprecipitation. This product 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. 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) [FITC] [NBP3-11665] - Western Blot of Mouse Pure-Blot anti-Rabbit IgG Secondary antibody (eB182) [FITC]. Lane 1: Rabbit IgG, Non-reduced. Lane 2: Rabbit IgG, Reduced. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Mouse Pure-Blot anti-Rabbit IgG Secondary antibody (eB182) [FITC] at 1:1,000 for 60 min at RT. Block for 30 min at RT. Predicted/Observed size: 160 kDa for Rabbit IgG, Non-reduced. Other band(s): none.	
Immunocytochemistry/Immunofluorescence: Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [FITC] [NBP3-11665] - Immunofluorescence microscopy of BCL3 in Caco-2 cells using FITC-conjugated Mouse Pure-Blot anti-Rabbit IgG Secondary antibody (eB182) [FITC] for detection. Caco-2 cells were fixed with 4% PFA, blocked (5% mouse serum/0.3% Triton X-100 in 1X PBS) for 1 hr, then incubated with 15 ug/mL of anti-BCL3 primary antibody at 4C overnight. Following 3 washes in 1X PBS for 5 min each, 5 ug/mL of FITC-conjugated Mouse Pure-Blot anti-Rabbit IgG Secondary antibody (eB182) [FITC] was added and allowed to incubate for 1 hr at room temperature. Nuclei were counterstained with DAPI present in mounting medium. The predicted main localization is nucleoplasm. Additional localization in some cell types includes vesicles and midbody. (a) BCL3 (b) DAPI (c) merged DAPI/BCL3 (d) secondary antibody only. Image taken at 40X magnification.	
Western Blot: Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [FITC] [NBP3-11665] - Jurkat cell lysate (0.5 ml of 1x10e7 cells/ml) was incubated with rabbit anti-human Stat1 and immunoprecipitated using Protein G, Protein A and Anti-Rabbit Ig IP Beads. Precipitate from 5x10e5 cells was subjected to electrophoresis, transferred to a PVDF membrane, and Western blotted with anti-Stat1 using Mouse Pure-Blot anti-Rabbit IgG Secondary antibody (eB182) [FITC].	
Immunocytochemistry/Immunofluorescence: Mouse Pure-Blot anti-Rabbit IgG (H+L) Secondary Antibody (eB182) [FITC] [NBP3-11665] - Immunofluorescence microscopy of ZO-1 in Caco-2 cells using FITC-conjugated Mouse Pure-Blot anti-Rabbit IgG Secondary antibody (eB182) [FITC] for detection. Caco-2 cells were fixed with 4% PFA, blocked (5% mouse serum/0.3% Triton X-100 in 1X PBS) for 1 hr, then incubated with 15 ug/mL of anti-ZO-1 primary antibody at 4C overnight. Following 3 washes in 1X PBS for 5 min each, 5 ug/mL of FITC-conjugated Mouse Pure-Blot anti-Rabbit IgG Secondary antibody (eB182) [FITC] was added and allowed to incubate for 1 hr at room temperature. Nuclei were counterstained with DAPI present in mounting medium. Predicted cell localization is cell membrane and cell junctions. Image taken at 40X magnification. (right) Merged DAPI (blue)/ZO-1 (green), image shown (left) secondary antibody only.	

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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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