

For Research Use Only

# NEIL1 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83376-3-PBS



## Basic Information

<b>Catalog Number:</b> 83376-3-PBS	<b>GenBank Accession Number:</b> BC010876	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79661	<b>CloneNo.:</b> 240322B7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96FI4	
<b>Isotype:</b> IgG	<b>Full Name:</b> nei endonuclease VIII-like 1 (E. coli)	
<b>Immunogen Catalog Number:</b> AG2793	<b>Calculated MW:</b> 390 aa, 44 kDa	

## Applications

**Tested Applications:**  
IHC, IF/ICC, FC (Intra), Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

83376-3-PBS targets NEIL1 as part of a matched antibody pair:

MP00380-2: 83376-4-PBS capture and 83376-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

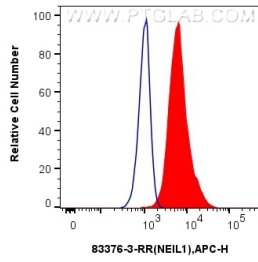
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

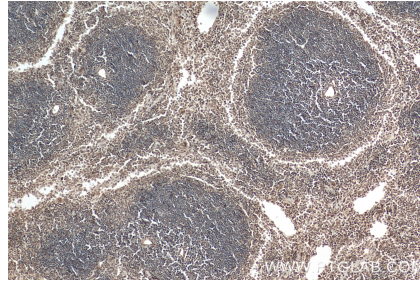
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



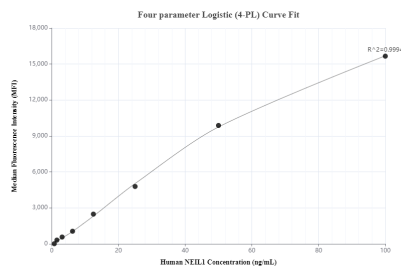
1x10<sup>6</sup> A549 cells were intracellularly stained with 0.25 ug Neil1 Recombinant Antibody (83376-3-RR, Clone:240322B7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83376-3-PBS in a different storage buffer formulation.



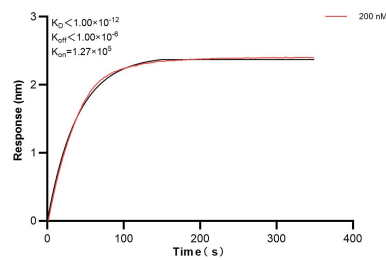
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83376-3-RR (NEIL1 antibody) at dilution of 1:250 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83376-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NEIL1 antibody (83376-3-RR, Clone: 240322B7) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83376-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00380-2, NEIL1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83376-4-PBS. Detection antibody: 83376-3-PBS. Standard: Ag2793. Range: 0.78-100 ng/mL



Biolayer interferometry (BLI) kinetic assay of 83376-3-PBS against Human NEIL1 was performed. The affinity constant is below 1 pM.