abcam

ab201341

Anti-Biotin antibody [Hyb-8]

Anti-Biotin antibody [Hyb-8] (ab201341) is a mouse monoclonal antibody detecting Biotin in **Western Blot, Flow Cytometry, IHC-P**.

- Over 10 publications

Recombinant

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Chemical / Small Molecule corresponding to Biotin.
Clone number	Hyb-8
Purification technique	Affinity purification Protein A
Concentration	0.999 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Chemical

Dilution info	1/1000
Notes	-

WB

Tested

Species	Chemical
Dilution info	1/1000
Notes	-

IHC-P

Tested

Species	Chemical
Dilution info	1/2000
Notes	-

Target data

See full target information Biotin

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Anti-Biotin antibody [Hyb-8] (ab201341) is a mouse recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Flow Cyt), Immunohistochemistry (IHC-P). **Trusted by the scientific community** Anti-Biotin [Hyb-8] (ab201341) was first used in a scientific publication in 2015 and has been cited over 10 times in peer-reviewed journals.

Other related products
We have a range of other formats of antibody clone [Hyb-8] also available for your convenience: ab201341, Carrier free - ab234026

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

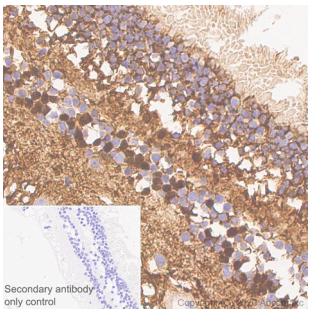
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

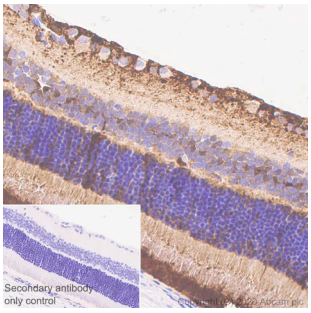
7 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Biotin antibody [Hyb-8] (ab201341)

Biotin Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-Biotin antibody

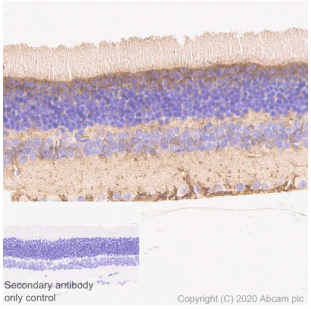
Immunohistochemical analysis of paraffin-embedded Human retina tissue labeling Biotin with ab201341 at 1/2000 dilution followed by LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with biotinylated Anti-CRALBP antibody [EPR23448-119] (incubate for 30 mins at room temperature) followed by ab201341 (incubate for 30 mins at room temperature). Recommend to treat the tissues with Biotin Assay Blocking Kit to remove the endogenous biotin before adding antibodies. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Biotin antibody [Hyb-8] (ab201341)

Biotin Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-Biotin antibody

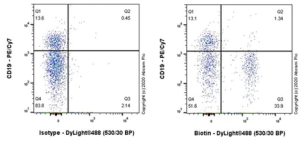
Immunohistochemical analysis of paraffin-embedded Rat retina tissue labeling Biotin with ab201341 at 1/2000 dilution followed by LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with biotinylated Anti-CRALBP antibody [EPR23448-119] (incubate for 30 mins at room temperature) followed by ab201341 (incubate for 30 mins at room temperature) and followed by mouse IgG1 antibody (ab125913 1:1000) for 8 mins. Recommend to treat the tissues with Biotin Assay Blocking Kit to remove the endogenous biotin before adding antibodies. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Biotin antibody [Hyb-8] (ab201341)

Biotin Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-Biotin antibody

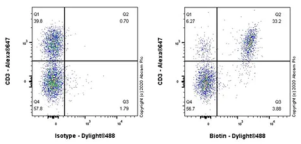
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Flow Cytometry - Anti-Biotin antibody [Hyb-8] (ab201341)

Biotin Flow Cytometry staining using mouse Anti-Biotin antibody

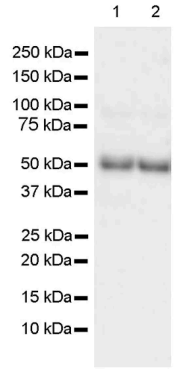
Mouse PBMC were blocked with 2.4G2 supernatant at 4°C for 15min, labeled with Rat anti-mouse CD4 conjugated to Biotin at 4°C for 30min, then stained with mouse IgG or ab201341 at 4°C for 30min followed by staining with Goat F(ab')2 Anti-Mouse IgG - Fc (DyLight® 488), pre-adsorbed (ab98736, 1/2000), PE/Cy7 conjugated anti-mouse CD19 Antibody and Alexa Fluor® 647 conjugated anti-mouse CD3 Antibody at 4☒ in the dark. Prior to data acquisition, 7-AAD staining was performed to exclude dead cells.



Flow Cytometry - Anti-Biotin antibody [Hyb-8] (ab201341)

Biotin Flow Cytometry staining using mouse Anti-Biotin antibody

Mouse PBMC were blocked with 2.4G2 supernatant at 4°C for 15min, labeled with Rat anti-mouse CD4 conjugated to Biotin at 4°C for 30min, then stained with mouse IgG or ab201341 at 4°C for 30min followed by staining with Goat F(ab')2 Anti-Mouse IgG - Fc (DyLight® 488), pre-adsorbed (ab98736, 1/2000), PE/Cy7 conjugated anti-mouse CD19 Antibody and Alexa Fluor® 647 conjugated anti-mouse CD3 Antibody at 4☒ in the dark. Prior to data acquisition, 7-AAD staining was performed to exclude dead cells.



Western blot - Anti-Biotin antibody [Hyb-8] (ab201341)

Biotin Western blot staining using mouse Anti-Biotin antibody

Western Blot analysis of specific lysates using anti-Peripherin antibody (ab246502) Rabbit mAb (Biotinylated) followed by Anti-biotin (ab201341) Mouse mAb and anti-mouse IgG, HRP linked Antibody ab131368.

Blocking buffer and concentration: 5% NFDM/TBST.

All lanes:
Western blot - Anti-Biotin antibody [Hyb-8] (ab201341) at 1/1000 dilution

Lane 1:
Human nerve lysate at 10 µg

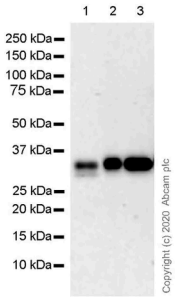
Lane 2:
Human lower limb nerve lysate at 10 µg

Secondary

All lanes:
Western blot - Anti-mouse IgG for IP (HRP) (ab131368) at 1/1000 dilution

Observed band size: 58 kDa

Exposure time: 103s



Western blot - Anti-Biotin antibody [Hyb-8] (ab201341)

Biotin Western blot staining using mouse Anti-Biotin antibody

Western Blot analysis of specific lysates using anti-CRALBP antibody(ab243664) Rabbit mAb (Biotinylated) followed by Anti-biotin (ab201341) Mouse mAb and anti-mouse IgG, HRP linked Antibody ab131368.

Blocking buffer and concentration: 5% NFDM/TBST.

All lanes:

Western blot - Anti-Biotin antibody [Hyb-8] (ab201341) at 1/1000 dilution

Lane 1:
Mouse eyeball tissue lysate at 10 µg

Lane 2:
Rat eyeball tissue lysate at 10 µg

Lane 3:
Mouse C57 P20 retina at 10 µg

Secondary

All lanes:
Western blot - Anti-mouse IgG for IP (HRP) (ab131368)

Observed band size: 36 kDa

Exposure time: 3min

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.