abcam

ab327345

Anti-E. coli antibody [EPR28234-18]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
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	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR28234-18
Purification technique	Affinity purification Protein A
Concentration	0.49 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Escherichia coli
Dilution info	1/1000
Notes	-

I-ELISA

Tested

Species	Escherichia coli
Dilution info	62.5 ng/mL
Notes	-

IHC-P

Tested

Species	Escherichia coli
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Flow Cyt (Intra)

Tested

Species	Escherichia coli
Dilution info	1/500
Notes	-

WB

Tested

Species	Escherichia coli
Dilution info	1/1000
Notes	-

Target data

See full target information E. coli

Storage

Shipped at conditions	Conditional Ambient
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

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

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

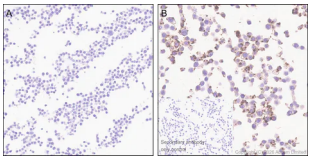
We do not recommend this combination. It is not covered by our product promise.

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.

6 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-E. coli antibody [EPR28234-18] (ab327345)

E. coli Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-E. coli antibody

Immunohistochemical analysis of paraffin-embedded (A): RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) cell pellets (B): RAW 264.7 co☒cultured with EGFP expressing E. coli BL21(DE3) bacteria for 1.5 hours cell pellets tissue labeling E. coli with ab327345 at 1/500 (0.98 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) .

Positive staining on B: RAW 264.7 co☒cultured with EGFP expressing E. coli BL21(DE3) bacteria for 1.5 hours; no staining on A: RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) cell pellets.

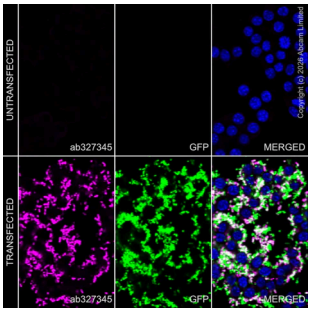
The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) .

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunocytochemistry/ Immunofluorescence - Anti-E. coli antibody [EPR28234-18] (ab327345)

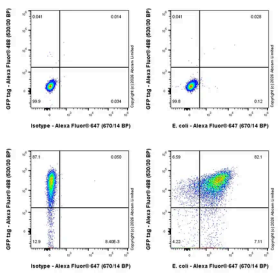
E. coli Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-E. coli antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) RAW 264.7 co☒cultured with EGFP expressing E. coli BL21(DE3) bacteria for 1.5 hours cells labelling E. coli with ab327345 at 1/1000 (1.01 µg/ml) dilution , followed by ab150083 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 647) preadsorbed (ab150083) antibody at 1/1000 dilution (Green).

Confocal image showing positive staining in RAW 264.7 co☒cultured with EGFP expressing E. coli BL21(DE3) bacteria for 1.5 hours (shown in magenta). Nuclear DNA was labelled with DAPI (shown in blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

was used to counterstain tubulin at 1/ dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150083 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 647) preadsorbed (ab150083) at 1/1000 dilution.



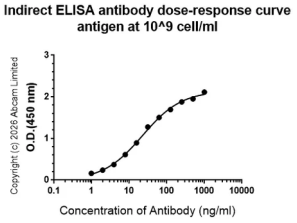
Flow Cytometry (Intracellular) - Anti-E. coli antibody [EPR28234-18] (ab327345)

E. coli Flow Cytometry (Intracellular) staining using rabbit Anti-E. coli antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) co□cultured with EGFP expressing E. coli BL21(DE3) bacteria for 1.5 hours (Lower left and right) Untreated RAW 264.7 (Upper left and right) cells labelling E. coli with ab327345 at 1/500 dilution (0.1ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells with GFP-tag®

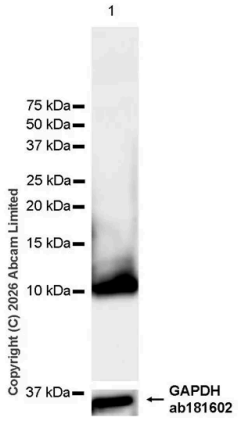


Indirect ELISA - Anti-E. coli antibody [EPR28234-18] (ab327345)

Indirect ELISA analysis of ab327345 at 1000-0 ng/ml. The Secondary antibody used was Peroxidase AffiniPure Goat Anti-Rabbit IgG, Fc fragment specific at 1:20000 dilution dilution.

Antigen: E. coli.

Antigen concentration: 10^9 cell/ml



Western blot - Anti-E. coli antibody [EPR28234-18] (ab327345)

E. coli Western blot staining of E. coli BL21(DE3) lysate using rabbit Anti-E. coli antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) (1:200000) (36KDa).

All lanes:
Western blot - Anti-E. coli antibody [EPR28234-18] (ab327345) at 1/1000 dilution

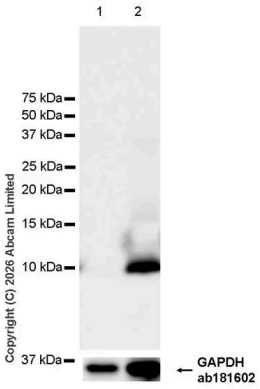
All lanes:
E. coli BL21(DE3) lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 10 kDa, 36 kDa

Exposure time: 3s



Western blot - Anti-E. coli antibody [EPR28234-18] (ab327345)

E. coli Western blot staining of RAW264.7 co□cultured with E. coli (TOP10) bacteria for 1.5 hours whole cell lysate using rabbit Anti-E. coli antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) (1:200000) (36KDa).

All lanes:
Western blot - Anti-E. coli antibody [EPR28234-18] (ab327345) at 1/1000 dilution

Lane 1:
Untreated RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate at 4 µg

Lane 2:
RAW264.7 co□cultured with E. coli (TOP10) bacteria for 1.5 hours whole cell lysate at 4 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 10 kDa, 36 kDa

Exposure time: 3s

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