abcam

ab320723

Anti-LRRC15 antibody [EPR28303-108]

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	EPR28303-108
Purification technique	Affinity purification Protein A
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/50
Notes	-

Species	Mouse

Dilution info	1/50
Notes	-

Not recommended

Species	Rat
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

WB

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information LRRC15

Function	(Microbial infection) Modulates the ability of SARS-CoV-2 to infect host cells through interaction with the spike protein (PubMed:36228039, PubMed:36735681, PubMed:36757924). Does not act as a SARS-CoV-2 entry receptor but sequesters virions and antagonizes in trans SARS-CoV-2 infection of ACE2(+) cells when expressed on nearby cells (PubMed:36228039, PubMed:36757924).

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.

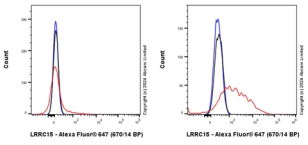
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

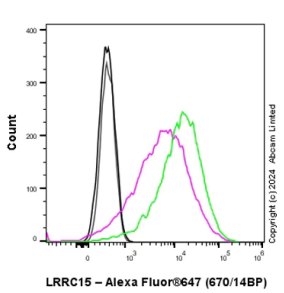
---

4 product images



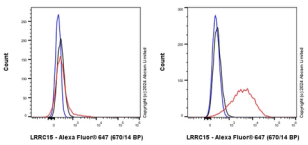
Flow Cytometry - Anti-LRRC15 antibody [EPR28303-108] (ab320723)

Flow cytometric analysis of MCF7 (human breast adenocarcinoma epithelial cell, Left) / U-118 MG (human brain glioblastoma cell, Right) cells labelling LRRC15 with ab320723 at 1/50 dilution (1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody. Low expression: MCF7 (PMID: 35260879). Gated on viable cells.



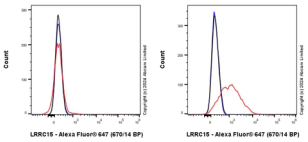
Flow Cytometry - Anti-LRRC15 antibody [EPR28303-108] (ab320723)

Flow cytometric analysis of U-87 MG (human glioblastoma-astrocytoma epithelial cell) treated with 20ng/ml TGF beta 1 for 48h (Green) /Untreated control (Magenta) cells labelling LRRC15 with ab320723 at 1/50 dilution (1ug) /Magenta and Green compared with a Rabbit monoclonal IgG (ab172730) (Black and Grey) isotype control. Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody. Gated on viable cells.



Flow Cytometry - Anti-LRRC15 antibody [EPR28303-108] (ab320723)

Flow cytometric analysis of HeLa (human cervical adenocarcinoma epithelial cell, Left) / U-87 MG (human glioblastoma-astrocytoma epithelial cell, Right) cells labelling LRRC15 with ab320723 at 1/50 dilution (1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody. Low expression: HeLa (PMID: 33960636). Gated on viable cells.



Flow Cytometry - Anti-LRRC15 antibody [EPR28303-108] (ab320723)

LRRC15 Flow Cytometry staining using rabbit Anti-LRRC15 antibody

Flow cytometric analysis of MEF (mouse embryo fibroblast, Left) / C2C12 (mouse myoblast, Right) cells labelling LRRC15 with ab320723 at 1/50 dilution (1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) 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.

Negative control: MEF.
Gated on viable cells.

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