abcam

ab249495

Anti-CR1L antibody [EPR9604(B)] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR9604(B)
Purification technique	Affinity purification

Reactivity data

WB

Tested

Species	Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

IP

Not recommended

Species	Human
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Human
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Human
Dilution info	-
Notes	-

Target data

See full target information CR1L

Storage

Shipped at conditions Blue Ice

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab249495 is the carrier-free version of ab169543.

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.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	CR1L also known as CR1-like or C3b/C4b receptor 1-like is a protein encoded by the CR1L gene. This protein functions mechanically as a receptor that interacts specifically with complement components C3b and C4b playing roles in immune complex processing. The molecular mass of CR1L is approximately 130 kDa. Expression of CR1L occurs mostly in the liver certain cells of the hematopoietic lineage and in platelets.

Biological function summary	CR1L acts as part of the immune system by binding to complement fragments on opsonized pathogens which facilitates their clearance. It forms part of a receptor complex that clears immune complexes and helps in modulating the complement cascade. CR1L's involvement in complement regulation highlights its contribution to preventing excessive inflammation and protecting host tissues during immune defense.
Pathways	CR1L plays a significant role in the complement activation pathway specifically in classical and alternative pathways. These pathways involve proteins such as factor H and factor I which work alongside CR1L to ensure proper regulation of complement activity. By binding C3b and C4b CR1L helps in the breakdown of these components and assists in maintaining homeostasis by moderating complement activity.
Associated diseases and disorders	CR1L associates with autoimmune conditions such as systemic lupus erythematosus and atypical hemolytic uremic syndrome. These disorders often involve dysregulation of complement activity. CR1L interacts with other complement regulatory proteins such as complement receptor 2 (CR2) in these contexts where imbalances in complement system function can lead to tissue damage and inflammation.

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

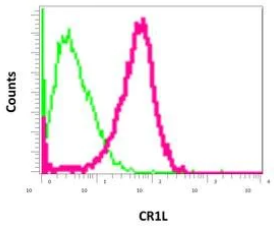
We do not recommend this combination. It is not covered by our product promise.

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.

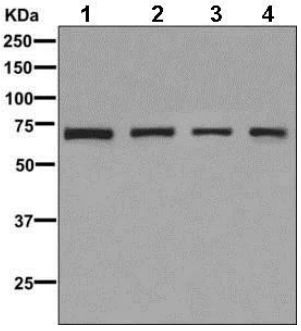
2 product images



Flow Cytometry (Intracellular) - Anti-CR1L antibody [EPR9604(B)] - BSA and Azide free (ab249495)

CR1L Flow Cytometry (Intracellular) staining using rabbit Anti-CR1L antibody

This data was developed using ab169543, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of permeabilized HepG2 cells labeling CR1L with ab169543 at 1/100 dilution (red) compared to a rabbit IgG (negative) (green).



Western blot - Anti-CR1L antibody [EPR9604(B)] - BSA and Azide free (ab249495)

This data was developed using ab169543, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-CR1L antibody [EPR9604(B)] (ab169543) at 1/1000 dilution

Lane 1:
HepG2 cell lysate at 10 µg

Lane 2:
Ramos cell lysate at 10 µg

Lane 3:
K562 cell lysate at 10 µg

Lane 4:
MOLT4 cell lysate at 10 µg

Secondary

All lanes:
Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 63 kDa

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