abcam

ab325354

Anti-DECTIN 2 antibody [EPR30285-562] - 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	EPR30285-562
Purification technique	Affinity purification Protein A
Concentration	1.021 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Mouse
Dilution info	-

Notes	-

IHC-P

Not recommended

Species	Mouse
Dilution info	-
Notes	-

WB

Not recommended

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information Clec6a

Function	Calcium-dependent lectin that acts as a pattern recognition receptor (PRR) of the innate immune system: specifically recognizes and binds alpha-mannans on C.albicans hypheas (PubMed:17050534, PubMed:19703985, PubMed:20493731). Binding of C.albicans alpha-mannans to this receptor complex leads to phosphorylation of the immunoreceptor tyrosine-based activation motif (ITAM) of FCER1G, triggering activation of SYK, CARD9 and NF-kappa-B, consequently driving maturation of antigen-presenting cells and shaping antigen-specific priming of T-cells toward effector T-helper 1 and T-helper 17 cell subtypes (PubMed:17050534, PubMed:19703985, PubMed:20493731, PubMed:32358020). Also recognizes, in a mannose-dependent manner, allergens from house dust mite and fungi, by promoting cysteinyl leukotriene production (PubMed:19124755). Recognizes soluble elements from the eggs of Shistosoma mansoni altering adaptive immune responses (PubMed:21059925).

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

ab325354 is the carrier-free version of ab325347

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.

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

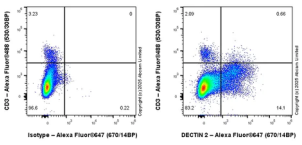
We do not recommend this combination. It is not covered by our product promise.

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.

3 product images



Flow Cytometry - Anti-DECTIN 2 antibody [EPR30285-562] - BSA and Azide free (ab325354)

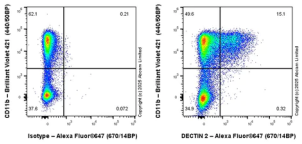
DECTIN 2 Flow Cytometry staining of Mouse bone marrow using rabbit Anti-DECTIN 2 antibody

This data was developed using ab325347, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Mouse bone marrow cells labelling DECTIN 2 with ab325347 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. Cells were co-stained with anti-CD3 conjugated to Alexa Fluor®488.



Flow Cytometry - Anti-DECTIN 2 antibody [EPR30285-562] - BSA and Azide free (ab325354)

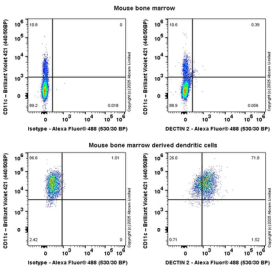
DECTIN 2 Flow Cytometry staining of Mouse bone marrow using rabbit Anti-DECTIN 2 antibody

This data was developed using ab325347, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Mouse bone marrow cells labelling DECTIN 2 with ab325347 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. Cells were co-stained with anti-CD11b conjugated to Brilliant Violet 421.



Flow Cytometry - Anti-DECTIN 2 antibody [EPR30285-562] - BSA and Azide free (ab325354)

DECTIN 2 Flow Cytometry staining using rabbit Anti-DECTIN 2 antibody

This data was developed using ab325347, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Mouse bone marrow derived Dendritic cells induced by 20ng/ml GM-CSF for 13 days and 50ng/ml IL4 for 7 days (Lower left and right) Mouse bone marrow (Upper left and right) cells labelling DECTIN 2 with ab325347 at 1/500 dilution (0.1ug) / Upper right and Lower 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® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Gated on viable lymphoid cells. Cells were co-stained with anti-CD11c conjugated to Brilliant Violet 421.

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