abcam

Product datasheet

Anti-IgD antibody [11-26] - BSA and Azide free ab235126

2 Images

Overview

Product name	Anti-IgD antibody [11-26] - BSA and Azide free
Description	Rat monoclonal [11-26] to IgD - BSA and Azide free
Host species	Rat
Tested applications	**Suitable for:** IHC-Fr, Flow Cyt
Species reactivity	**Reacts with:** Mouse
Immunogen	Full length protein corresponding to Mouse IgD.
Positive control	IHC-Fr: Mouse spleen tissue. Flow Cyt: C57/BL6 splenocytes.
General notes	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Do Not Freeze.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein G purified
Clonality	Monoclonal
Clone number	11-26
Isotype	IgG2a

Light chain type kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab235126 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

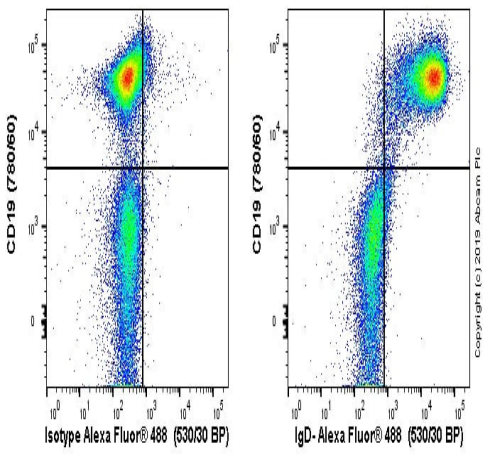
Application	Abreviews	Notes
IHC-Fr		Use a concentration of 1 µg/ml. This product gave a positive signal in HeLa cells fixed with 10% formaldehyde (10 min).
Flow Cyt		Use a concentration of 0.1 µg/ml.

Target

Relevance Little is known about the normal function of IgD, and few clinical signs or symptoms are associated with its absence. Individuals with low or absent levels of IgD do not appear unusually predisposed to infections. In mice, IgD may substitute for some functions of IgM when IgM is absent. IgD is expressed on peripheral B cells and is used as a pan B cell marker.

Cellular localization Cytoplasmic

Images

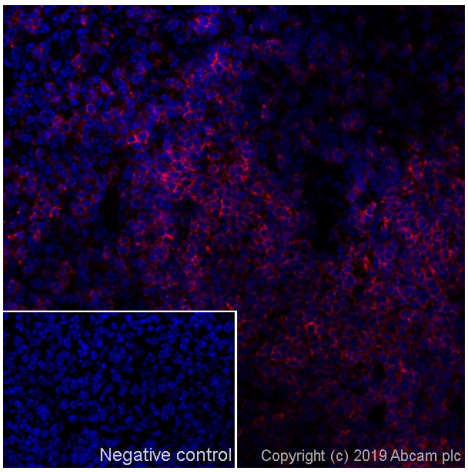


Flow Cytometry - Anti-IgD antibody [11-26] - BSA and Azide free (ab235126)

C57BL/6 mouse splenocytes stained with ab235126 (right) or rat IgG2aκ (left). C57BL/6 Mouse splenocytes were incubated for 30 min on ice in 10% mouse serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab235126) or rat IgG2aκ Isotype (**ab18450**) ($1x10^6$ in 100µl at 0.1 µg/ml) for 30 min on ice.

The secondary antibody Goat anti-rat IgG H&L (Alexa Fluor ® 488, pre-adsorbed) (**ab150165**) was used at 1/2000 dilution for 30 min at 4°C.The cells were simultaneously stained with CD19 antibody.

Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on viable lymphocytes.



Immunohistochemistry (Frozen sections) - Anti-IgD antibody [11-26] - BSA and Azide free (ab235126)

IHC image of IgD staining in a section of frozen normal mouse spleen*.

The section was fixed using 10% formaldehyde in 1XPBS for 10 minutes. No antigen retrieval step was performed prior to staining.

Non-specific protein-protein interactions were blocked using TBS containing 0.025% (v/v) Triton X-100, 0.3M (w/v) glycine and 3% (w/v) BSA for 1 hour at room temperature. The section was then incubated with ab235126 (1µg/ml dilution) in TBS containing 0.025% (v/v) Triton X-100 and 3% (w/v) BSA overnight at +4°C. The section was then incubated with **ab150167** (Goat polyclonal Secondary Antibody to Rat IgG - H&L (Alexa Fluor® 647) preabsorbed) (shown in red) and DAPI (staining nuclear DNA) (shown in blue) for 1 hour at room temperature . The section was then mounted using Fluoromount®.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

The DAPI only control (no antibody) inset shows no autofluorescence, demonstrating that any Alexa Fluor® 647 signal is derived directly from bound ab235126.

For other IHC staining systems (automated and non-automated), customers should optimize variable parameters such as antigen retrieval conditions, antibody concentrations and incubation times.

*Tissue obtained from Charles River.

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