

FITC anti-human IgD Antibody

Catalog# / Size	307807 / 25 tests 307808 / 100 tests
Clone	W18340F
Regulatory Status	RUO
Other Names	Ig delta chain C region
Isotype	Rat IgG2a, κ
Description	IgD, a member of the immunoglobulin (Ig) family, is expressed in naïve B cells. It has 3 Ig-like domains and exists in a transmembrane and a soluble form. In general, IgD is not secreted and usually its expression is lost after the Ig isotype switch. After antigen binding, IgD signals through the CD79a/CD79b (Ig α /Ig β) heterodimer, resulting in the activation of the B cell. (BioLegend Website)

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Native human IgD protein (full length)
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm)
Application Notes	This clone does not cross react with mouse tissues.
RRID	AB_2894456 (BioLegend Cat. No. 307807) AB_2894456 (BioLegend Cat. No. 307808)

Antigen Details

Distribution	Naïve B cells
Function	Antigen binding, B cell activation
Cell Type	B cells
Biology Area	Immunology
Antigen References	

1. Geisberger R, *et al.* 2006. *Immunology*. 118:429-37.
2. Weller S, *et al.* 2005. *Eur J Immunol*. 35:2789-92.
3. Brandtzaeg P & Johansen FE. 2005. *Immunol Rev*. 206:32-63.

Gene ID

[3495](#)

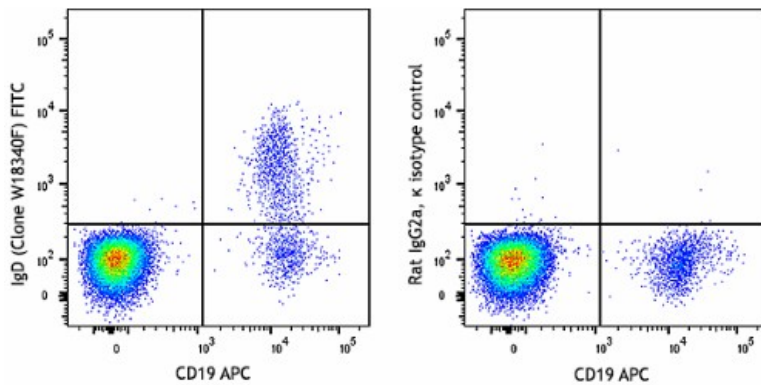
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-human IgD, Purified anti-human IgD, Spark YG™ 581 anti-human IgD, PerCP/Cyanine5.5 anti-human IgD, FITC anti-human IgD, PE/Cyanine7 anti-human IgD, PE/Dazzle™ 594 anti-human IgD

Product Data



Human peripheral blood lymphocytes were stained with CD19 APC and anti-human IgD (Clone W18340F) FITC (left) or rat IgG2a, κ FITC isotype control (right).

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587