

PE/Cyanine7 anti-human IgD Antibody

Catalog# / Size	307811 / 25 tests 307812 / 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 (Igα/Igβ) 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 PE/Cyanine7 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 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	This clone does not cross react with mouse tissues.
RRID	AB_2922543 (BioLegend Cat. No. 307811)

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](#)

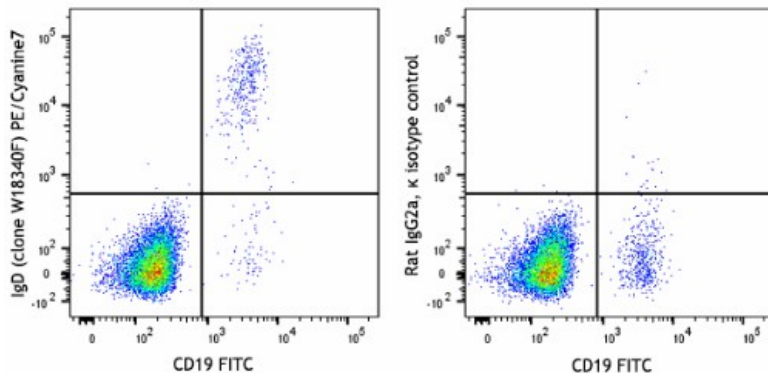
Related Protocols

[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 anti-human CD19 FITC and anti-human IgD (clone W18340F) PE/Cyanine7 (left) or rat IgG2a, κ PE/Cyanine7 isotype control (right).

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