

Purified anti-human IgD Antibody

Catalog# / Size	307802 / 100 µg
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
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
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 ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	This clone does not cross react with mouse tissues.
RRID	AB_2876605 (BioLegend Cat. No. 307802)

Antigen Details

Distribution	Naïve B cells
Function	Antigen binding, B cell activation
Cell Type	B cells
Biology Area	Immunology
Antigen References	<ol style="list-style-type: none">1. Geisberger R, <i>et al.</i> 2006. <i>Immunology</i>. 118:429-37.2. Weller S, <i>et al.</i> 2005. <i>Eur J Immunol</i>. 35:2789-92.3. Brandtzaeg P & Johansen FE. 2005. <i>Immunol Rev</i>. 206:32-63.
Gene ID	3495

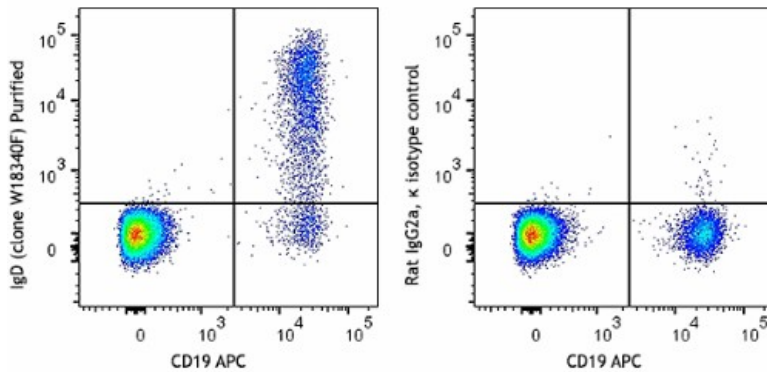
Related Protocols

[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 IgD (clone W18340F) purified followed by PE Goat anti-rat IgG secondary (left) or rat IgG2a, κ isotype control followed by PE Goat anti-rat IgG secondary (right).

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