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Datasheet for ABIN2749204

## Mouse anti-Human IgD Antibody (PE)

1 Image

6 Publications

### Overview

Quantity:	100 tests
Target:	IgD
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	PE
Application:	Flow Cytometry (FACS)

### Product Details

Immunogen:	Human IgD
Clone:	IA6-2
Isotype:	IgG2a kappa
Specificity:	The mouse monoclonal antibody IA6-2 recognizes human immunoglobulin D.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

### Target Details

Target:	IgD
Abstract:	<a href="#">IgD Products</a>

## Target Details

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Target Type: Antibody

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Background: Immunoglobulin D (IgD) is expressed on the surface of naive mature B cells, thus later than IgM, and is coexpressed with it then. Triggered by antigen binding, it signals through the CD79 complex to activate the B cells. Expression of IgD is lost after the isotype switch. Soluble IgD is present in very small amounts in the serum. IgD can bind to basophils and mast cells to activate them in an IgE-independent way to participate in respiratory immune defense.,Immunoglobulin D

## Application Details

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Application Notes: Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

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Comment: The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

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Restrictions: For Research Use only

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## Handling

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Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C

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Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

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## Publications

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Product cited in: Degauque, Elong Ngono, Ngono, Akl, Lepetit, Crochette, Giral, Lepourry, Pallier, Castagnet, Dugast, Guillot-Gueguen, Jacq-Foucher, Saulquin, Cesbron, Laplaud, Nicot, Brouard, Soullillou: " Characterization of antigen-specific B cells using nominal antigen-coated flow-beads." in: **PLoS ONE**, Vol. 8, Issue 12, pp. e84273, (2014) ([PubMed](#)).

Bunch, McGregor, Khandoobhai, Aybar, Burkart, Hu, Hogan, Poulton, Berg, Falk, Nachman: "

Decreased CD5<sup>+</sup> B cells in active ANCA vasculitis and relapse after rituximab." in: **Clinical journal of the American Society of Nephrology : CJASN**, Vol. 8, Issue 3, pp. 382-91, (2013) ([PubMed](#)).

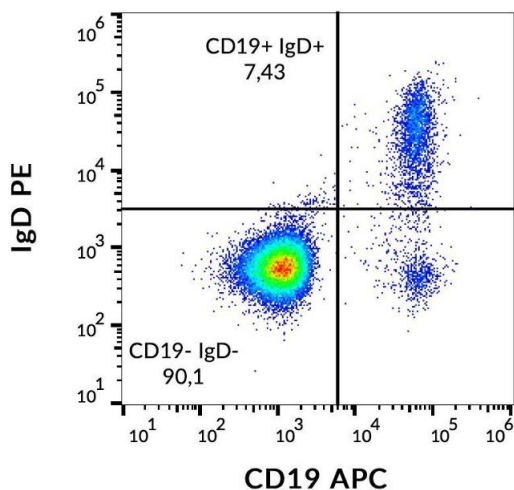
Di Sabatino, Carsetti, Rosado, Ciccocioppo, Cazzola, Morera, Tinozzi, Tinozzi, Corazza: "Immunoglobulin M memory B cell decrease in inflammatory bowel disease." in: **European review for medical and pharmacological sciences**, Vol. 8, Issue 5, pp. 199-203, (2005) ([PubMed](#)).

Pugh-Bernard, Silverman, Cappione, Villano, Ryan, Insel, Sanz: "Regulation of inherently autoreactive VH4-34 B cells in the maintenance of human B cell tolerance." in: **The Journal of clinical investigation**, Vol. 108, Issue 7, pp. 1061-70, (2001) ([PubMed](#)).

Ferrari, Giliani, Insalaco, Al-Ghonaïum, Soresina, Loubser, Avanzini, Marconi, Badolato, Ugazio, Levy, Catalan, Durandy, Tbakhi, Notarangelo, Plebani: "Mutations of CD40 gene cause an autosomal recessive form of immunodeficiency with hyper IgM." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 98, Issue 22, pp. 12614-9, (2001) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



**Flow Cytometry**  
**Image 1.** Surface staining of human peripheral blood lymphocytes using anti-IgD (IA6-2) PE.