Datasheet for ABIN2749203

Mouse anti-Human IgD Antibody

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Overview

Quantity:	0.1 mg
Target:	IgD
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

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 by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	IgD
Abstract:	IgD Products
Target Type:	Antibody

Target Details

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

Application Notes:	Flow cytometry: Recommended dilution: 2-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Degauque, Elong Ngono, Ngono, Akl, Lepetit, Crochette, Giral, Lepourry, Pallier, Castagnet, Dugast, Guillot-Gueguen, Jacq-Foucher, Saulquin, Cesbron, Laplaud, Nicot, Brouard, Soulillou: " 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 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: "

Publications

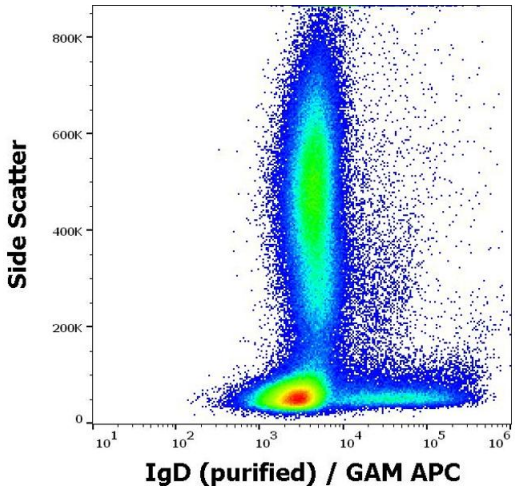
Immunoglobulin M memory B cell decrease in inflammatory bowel disease." in: **European review for medical and pharmacological sciences**, Vol. 8, Issue 5, pp. 199-203, (2005) (PubMed).

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-Ghonaium, 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).

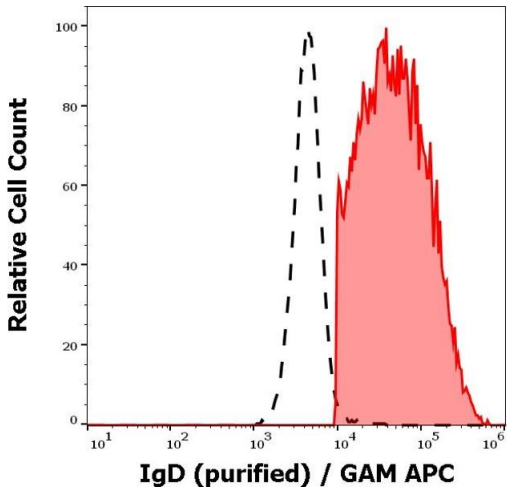
There are more publications referencing this product on: Product page

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human IgD (IA6-2) purified antibody (concentration in sample 0,33 µg/mL, GAM APC).



Flow Cytometry

Image 2. Separation of human IgD positive lymphocytes (red-filled) from neutrofil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human IgD (IA6-2) purified antibody (concentration in sample 0,33 µg/mL, GAM APC).