

AM26793PU-N**Monoclonal Antibody to Human IgD - Purified**

Alternate names:	Human Immunoglobulin D
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
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.
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	IA6-2
Immunogen:	Human IgD
Format:	State: Liquid Ig fraction Purification: Protein-A affinity chromatography (> 95% pure by SDS-PAGE) Buffer System: Phosphate buffered saline (PBS) Preservatives: 15 mM sodium azide, approx. pH 7.4
Applications:	Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes human Immunoglobulin D.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
General Readings:	<ol style="list-style-type: none">1. Bunch DO, McGregor JG, Khandoobhai NB, Aybar LT, Burkart ME, Hu Y, et al. Decreased CD5⁺ B cells in active ANCA vasculitis and relapse after rituximab. Clin J Am Soc Nephrol. 2013 Mar;8(3):382-91. doi: 10.2215/CJN.03950412. Epub 2013 Jan 4. PubMed PMID: 23293123.2. Baier G, Baier-Bitterlich G, Looney DJ, Altman A. Immunogenic targeting of recombinant peptide vaccines to human antigen-presenting cells by chimeric anti-HLA-DR and anti-surface immunoglobulin D antibody Fab fragments in vitro. J Virol. 1995 Apr;69(4):2357-65. PubMed PMID: 7533857.3. Ferrari S, Giliani S, Insalaco A, Al-Ghonaïum A, Soresina AR, Loubser M, et al. Mutations of CD40 gene cause an autosomal recessive form of immunodeficiency with hyper IgM. Proc Natl Acad Sci U S A. 2001 Oct 23;98(22):12614-9. PubMed PMID: 11675497.4. Di Sabatino A, Carsetti R, Rosado MM, Ciccocioppo R, Cazzola P, Morera R, et al. Immunoglobulin M memory B cell decrease in inflammatory bowel disease. Eur Rev

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