



T9-142-T100

Monoclonal Antibody to IgD PerCP-Cy™5.5 conjugated (100 tests)

Clone:	IA6-2
Isotype:	Mouse IgG2a
Specificity:	The mouse monoclonal antibody IA6-2 recognizes human immunoglobulin D.
Regulatory Status:	RUO
Immunogen:	Human IgD
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with tandem dye PerCP-Cy™5.5 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
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.

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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- *Ferrari S, Giliani S, Insalaco A, Al-Ghonaïum A, Soresina AR, Loubser M, Avanzini MA, Marconi M, Badolato R, Ugazio AG, Levy Y, Catalan N, Durandy A, Tbakhi A, Notarangelo LD, Plebani A: 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.
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EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic
Tel: +420 261 090 666 | Fax: +420 261 090 660 | orders@exbio.cz | www.exbio.cz