

IL-2 Monoclonal Antibody (297C16G2)

Catalog Number OMA1-03334

Product data sheet

Details		Species Reactivity	
Size	500 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG2b, kappa	Published species	Not Applicable
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	ELISA (ELISA)	Assay-Dependent
Clone	297C16G2	Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent
Immunogen	Purified recombinant human IL-2.	Published Applications	
Conjugate	Unconjugated	ELISA (ELISA)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Storage Conditions	4° C		

Product specific information

OMA1-03334 detects native and recombinant human IL-2. OMA1-03334 has been successfully used in ELISA and immunohistochemistry (frozen section) procedures. The OMA1-03334 immunogen is purified recombinant human IL-2.

Background/Target Information

Interleukin 2 (IL-2) is an immuno-modulatory cytokine that is important for the proliferation of activated T cells, differentiation of B cells, natural killer cells, monocytes and macrophages. IL-2 signals through the IL-2 receptor (IL-2R), a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL-4) and interleukin 7 (IL-7). The expression of the IL-2 gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a gene similar to IL-2 in mice leads to an ulcerative colitis-like disease that suggests an essential role of this gene in the immune response to antigenic stimuli.

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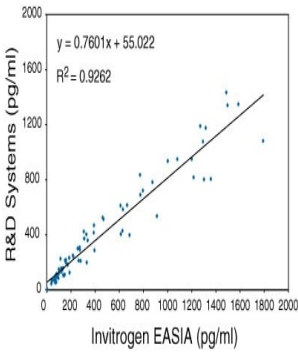
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Product Images For IL-2 Monoclonal Antibody (297C16G2)

Invitrogen EASIA vs. R&D Systems ELISA–human IL-2

IL-2 Antibody (OMA1-03334) in ELISA

ELISA of human IL-2 comparing Invitrogen vs. R&D Systems, using an IL-2 monoclonal antibody (Product # OMA1-03334).



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PubMed References For IL-2 Monoclonal Antibody (297C16G2)

1 ELISA References

Species / Dilution	Summary
	OMA1-03334 was used in ELISA to explore the immunomodulatory effects of insulin-like growth factor through regulation of cytokine production
Not Applicable / 0.5 µg/ml	Journal of leukocyte biology (2004; 76: 862) "Insulin-like growth factor-I stimulates IL-10 production in human T cells." Author(s):Kooijman R,Coppens A PubMed Article URL: http://dx.doi.org/10.1189/jlb.0404248

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