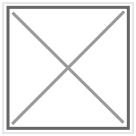
Interleukin-2 (Il-2) (IL2) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Interleukin-2 (IL-2) (IL2), Monoclonal Antibody
Full Product Name	Interleukin-2 (IL-2) Mouse Monoclonal Antibody [Clone IL2/3949]
Product Gene Name	anti-IL2 antibody
Product Synonym Names	Aldesleukin; Involved in regulation of T cell clonal expansion; Lymphokine; POIL2; T-cell growth factor (TCGF)
Clonality	Monoclonal
Isotype	Mouse/IgG2a, kappa
Clone Number	IL2/3949
Host	Mouse
Species Reactivity	Human
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (lot specific)
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Molecular Weight	15kDa
Immunogen	Recombinant fragment (around aa 21-153) of human IL2 protein (exact sequence is proprietary)
Cellular Localization	Secreted
Positive Control	Human thymus or tonsil tissue.
Hu-chromosome Location	4q27
Unigene	89679
Applications Tested/Suitable for anti-IL2 antibody	Immunohistochemistry-Formalin (IHC-F)
Application Notes for anti-IL2 antibody	IHC (Formalin-fixed): 1-2ug/ml for 30 minutes at RT (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH9.0, for 45 minutes at 95 degree C followed by cooling at RT for 20 minutes)
Related Product Information for anti-IL2 antibody	Interleukin-2 (IL-2) is a T cell stimulatory cytokine that induces T cell proliferation and NK cell proliferation and activation. Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). IL-2 induces CTLA-4 and also functions as a survival factor for lymphocytes.
Other Notes	Small volumes of anti-IL2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL2 purchase	MBS4382002 is an antibody targeting IL2. Also known as Interleukin-2 (IL-2) Mouse Monoclonal Antibody [Clone IL2/3949]. Reactive in Human. Host: Mouse.



Immunohistochemistry (IHC)-Formalin of anti-IL2 antibody
Formalin-fixed, paraffin-embedded human colon carcinoma stained with Interleukin-2 (IL-2) Mouse Monoclonal Antibody (IL2/3949). HIER: Tris/EDTA, pH9. 0, 45min. 2 degree : HRP-polymer, 30min. DAB, 5min

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL2. It may not necessarily be applicable to this product.

NCBI GeneID	3558
NCBI Accession #	IDP60568
Protein Family	Interleukin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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