# Interleukin 2 (IL2) Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Interleukin 2 (IL2), Polyclonal Antibody |
| **Full Product Name** | APC-Linked Polyclonal Antibody to Interleukin 2 (IL2) |
| **Product Gene Name** | anti-IL2 antibody |
| **Product Synonym Names** | TCGF; Lymphokine; T-Cell Growth Factor; Aldesleukin |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Dog |
| **Form/Format** | Liquid; PBS, pH7.4, containing 0.02% NaN3, 50% glycerol. |
| **Purity/Purification** | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |
| **Concentration** | >=100ug/ml (lot specific) |
| **Specificity** | The antibody is a rabbit polyclonal antibody raised against IL2. It has been selected for its ability to recognize IL2 in immunohistochemical staining and western blotting. |
| **Preparation and Storage** | Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months.<br>Avoid repeated freeze/thaw cycles.<br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Matching Pairs** | Unconjugated Antibody: IL2 (MBS2111758)<br>APC Conjugated Antibody: IL2 (MBS2119376) |
| **3D Structure** | ModBase 3D Structure for Q29416 |
| **Supply Chain Verification** | Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire. |
| **Cross Reactivity** | Dog |
| **Conjugation** | APC |
| **Product Categories/Family for anti-IL2 antibody** | Cytokine; Infection Immunity |
| **ISO Certification** | Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory. |
| **Applications Tested/Suitable for anti-IL2 antibody** | Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP) |
| **Related Product Information for anti-IL2 antibody** | MBS2119376 is an antibody targeting IL2. Also known as APC-Linked Polyclonal Antibody to Interleukin 2 (IL2). Reactive in Dog. Host: Rabbit. |
| **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. |

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 3024011 |
| **NCBI GeneID** | 403989 |
| **NCBI Accession #** | Q29416.1 |
| **UniProt Primary Accession #** | Q29416 |
| **UniProt Related Accession #** | Q29416 |
| **NCBI Official Full Name** | Interleukin-2 |
| **NCBI Official Synonym Full Names** | interleukin 2 |
| **NCBI Official Symbol** | IL2 |
| **UniProt Protein Name** | Interleukin-2 |
| **UniProt Synonym Protein Names** | T-cell growth factor; TCGF |
| **Protein Family** | Interleukin |
| **UniProt Gene Name** | IL2 |
| **UniProt Synonym Gene Names** | IL-2; TCGF |
| **NCBI Protein Information** | interleukin-2 |
| **UniProt Comments for IL2** | 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. |
| **Research Articles on IL2** | **1.** immunoreactivities of inflammatory cytokines, such as interleukin (IL)-2, its receptor (IL-2R), IL-4 and its receptor (IL-4R) in the cervical and lumbar spinal cord of young adult and aged beagle dogs, were compared. |
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