

# Anti-Human IL-2 Azide Free

## PRODUCT SPECIFICATIONS

<b>Catalogue N°</b>	855.020.000 - 200µg / 200µl 855.020.005 - 500µg / 500µl
<b>Target species</b>	Human
<b>Specificity</b>	Recognises both natural and recombinant human IL-2
<b>Clone</b>	B-G5
<b>Application</b>	ELISA Flow Cytometry Functional assay Western Blot ELISpot
<b>Hybridoma</b>	Myeloma X63/AG.8653 x Balb/c spleen cells
<b>Immunisation</b>	Natural human IL-2
<b>Quantity</b>	200µg or 500µg (Discovery Size also available please enquire)
<b>Isotype</b>	Mouse IgG1 Kappa light chain
<b>Format</b>	Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free
<b>Storage</b>	Store at +2-8°C for 12 months. DO NOT FREEZE.
<b>Biological Activity</b>	Inhibits IL-2 induced proliferation on Kit 225 cell line

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With over 30 years experience and extensive expertise, we are committed to providing excellence in Monoclonal Antibody and Immunoassay development.

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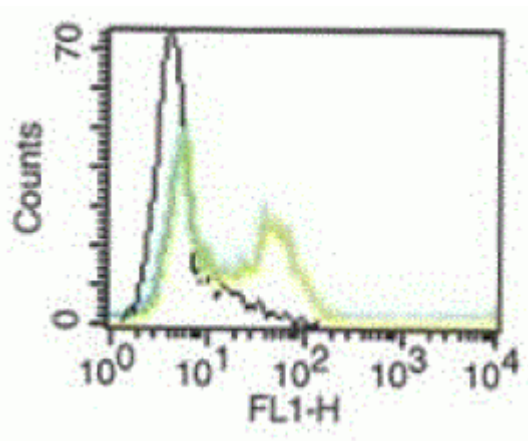
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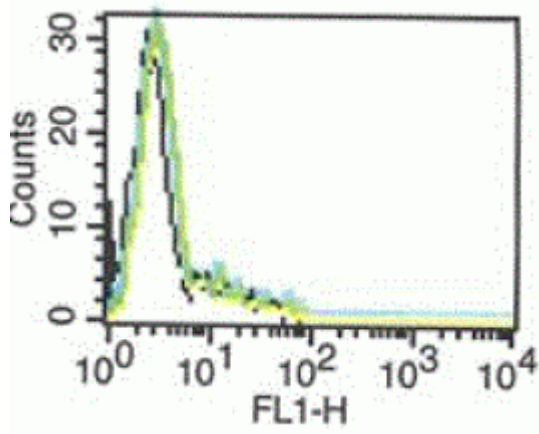
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The graph on the left represents activated lymphocytes marked with B-G5.



The graph on the right shows B-G5 with non-activated lymphocytes. In the two cases, the dotted line represents the IgG1 isotype control.

# REFERENCES

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## BACKGROUND

IL-2 is a powerful immunoregulatory lymphokine produced by T-Cells in response to antigenic or mitogenic activation.IL-2 stimulates growth and differentiation of B-Cells, most T-cells, NK cells, monocytes and macrophages.

Mature IL-2 is a 15.4kDa globular glycoprotein containing 133 amino acid residues including one intrachain disulfide bond between residues 58 and 105.

Apart from its most important role to mediate antigen-specific T-lymphocyte proliferation, IL-2 modulates the expression of interferon-g and major histocompatibility antigens.

Alterations in the ability of T-cell to synthesize IL-2 have been observed in physiologic and pathologic states. Currently, IL-2 is used to enhance the immune system of patients for the treatment of cancer and infectious disease.