

Human IL-2 ELISpot Kit

PRODUCT SPECIFICATIONS

Catalogue N°	856.001.001PC - 1 x 96 Discovery (pre-coated plate) 856.001.002PC - 2 x 96 (pre-coated plates) 856.001.005PC - 5 x 96 (pre-coated plates)
Target species	Human
Specificity	Recognizes natural human IL-2
Incubation	3h after cell stimulation
Cross Reaction	No cross reactivity with other human cytokines. Cross reactivity with simian IL-2.
Kit Content	Diaclone Pre-coated ELISpot kits include precoated PVDF plates, Detection antibody, Alkaline phosphatase conjugate, BSA, BCIP/NBT ready-to-use substrate buffer.

REFERENCES

Junwei, W. et al., Cancer Cell Int.,2016; 17: 10. - [Pubmed link](#)

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.

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