

## IL-2 Bioactivity measurements

All results are for research use only. Not intended for diagnostic or therapeutic procedures.

Cat. No.: BA.161021.1  
 Product price: Prices vary depending on the precise scientific research question and sample volume. Please contact us for an individual non-binding price quote.

Description: T lymphocytes play a central role in the immune system. They are vital for the preservation of cellular immunity against viruses, bacteria and other intracellular persistent pathogens.

In this context, the cytokine interleukin-2 (IL-2), also referred to as T-cell growth factor (TCGF) is a key molecule of T-cell activation. IL-2 is important for proliferation and differentiation of T-cells. As a signal molecule, IL-2 also activates other T-cells, as well as B-cells, monocytes, macrophages and natural killer cells.

Our immunological laboratories are specialised in the measurement of bioactive interleukin-2, which can originate, for example, from cell culture supernatants, tumour lysates or the serum.

Scope of application: Questions that can be examined include:

- Quantitative determination of bioactive interleukin-2
- Measurement of T-cell proliferation as a response to cytokines, growth factors, mitogens, and other substances.
- Study of the effect of cytotoxic/cytostatic substances on T-cell proliferation

Sample measurement: The bioactivity measurement is carried out in a well-established dose dependent proliferation assay with the murine cytotoxic T-cell line CTLL-2.

The assay is calibrated against the 2<sup>nd</sup> International WHO Standard.

Sample measurement is carried out according to high-quality criteria. Each sample is measured in triplicate in at least three independent assays, providing an accurate result for the IL-2 activity.

Time period of sample measurement: 8-10 weeks after sample receipt. Express measurements are available at an extra cost.

### Additional products:

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|------------------------------------|------------------------|
| 1. Recombinant Human Interleukin-2 | Cat.No. IL2.130411.1-3 |
| 2. i2Cult IL-2 Complete Medium     | Cat.No. IL2.130411.4   |

## Immunservice Service Datasheet



- for the cultivation of CTLL-2 and other IL-2-dependent cells
- 3. WST-1 Cell Proliferation Kit (ready-to-use)      Cat.No. WST1.150813.1-3

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