Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0215

# Mouse IL-2 ELISA Kit

## Overview

| | |
|---|---|
| **Description:** | Mouse IL-2 AccuSignal ELISA Kit - KOA0215 |
| **Item No.:** | KOA0215 |
| **Size:** | 1 Kit |
| **Applications:** | ELISA |
| **Reactivity:** | Mouse |
| **Range:** | 15.6 pg/ml - 1000 pg/ml |

## Product Details

| | |
|---|---|
| **Background:** | Interleukin-2(IL2), formerly referred to as T-cell growth factor, is a powerfully immunoregulatory lymphokine that is produced by lectin- or antigen-activated T cells. It is produced not only by mature T lymphocytes on stimulation but also constitutively by certain T-cell lymphoma cell lines. The lymphokine interleukin-2(IL-2) is responsible for autocrine cell cycle progression and regulation of immune responses. IL-2 expression in mature thymocytes and T cells has been found to be tightly controlled by monoallelic expression. IL-2 can act as a growth hormone for both B and T lymphocytes. The human gene for interleukin 2(IL2) is assigned to chromosome 4. Mouse IL-2 contains 149 amino acids in mature form with the molecular mass of 17.2KDa. |
| **Synonyms:** | Aldesleukin, IL 2, IL-2, IL2, IL2_HUMAN, Interleukin 2, Interleukin-2, Interleukin2, Involved in regulation of T cell clonal expansion, Lymphokine, T cell growth factor, T-cell growth factor, TCGF |
| **Detection Kit Type:** | ELISA Kit |
| **Detection Range:** | 15.6 pg/ml - 1000 pg/ml |
| **Sensitivity:** | <1 pg/ml |

## Target Details

| | |
|---|---|
| **Gene Name:** | IL2 |
| **Reactivity:** | Mouse |
| **Immunogen:** | Expression system for standard: E.coli; Immunogen sequence: A21-Q169 |

| | |
|---|---|
| **Purity/Specificity:** | Natural and recombinant mouse IL-2. There is no detectable cross-reactivity with other relevant proteins. |
| **Relevant Links:** | • UniProtKB - P04351<br>• NCBI - NP_032392.1<br>• GeneID - 16183<br>• KOA0215 Protocol |

## Application Details

| | |
|---|---|
| **Tested Applications:** | ELISA |
| **Application Note:** | Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml mouse IL-2 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma( heparin, EDTA, citrate) to each empty well. It is recommended that each mouse IL-2 standard solution and each sample be measured in duplicate. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **Other:** | DOE @ 4°C 08/20/2024<br>@-20°C 02/20/2025 |

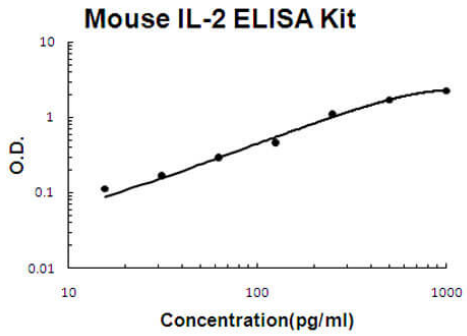
## Formulation

| | |
|---|---|
| **Concentration:** | 1 Kit |
| **Anticoagulant:** | Heparin Sodium |

## Shipping & Handling

| | |
|---|---|
| **Shipping Condition:** | Wet Ice |
| **Storage Condition:** | Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing. |
| **Expiration:** | See kit insert for complete instructions. |

## Images




**ELISA**
Mouse IL-2 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.