

Datasheet for KOA0552**Mouse CD25 - IL-2sR alpha ELISA Kit****Overview**

Description:	Mouse CD25/IL-2sR alpha AccuSignal ELISA Kit - KOA0552
Item No.:	KOA0552
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	78 pg/ml - 5000 pg/ml

Product Details

Background:	CD25 is the alpha chain of the IL-2 receptor. It is a type I transmembrane protein present on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes that associates with CD122 to form a heterodimer that can act as a high-affinity receptor for IL-2. CD25 has been used as a marker to identify CD4+FoxP3+ regulatory T cells in mice. By in situ hybridization, the IL2R gene was mapped to 10p15-p14. Its soluble form, called sIL-2R may be elevated in these diseases and is occasionally used to track disease progression.
Synonyms:	CD122, CD122 antigen, CD132, CD132 antigen, CD25, CD25 antigen, Cytokine receptor common gamma chain, Gamma C, High affinity IL 2 receptor subunit beta, IL 2 RA, IL 2 receptor, IL 2 receptor alpha subunit, IL 2R gamma chain, IL2R, IL2RA, IL2RB, IL2RG, IMD4, interleukin 2 receptor alpha, Interleukin 2 receptor alpha chain, interleukin 2 receptor beta, Interleukin 2 receptor beta chain, interleukin 2 receptor gamma, Interleukin 2 receptor gamma chain, p55, p64, P70 75, p75, SCIDX, SCIDX1, TAC antigen, TCGFR, XSCID
Detection Kit Type:	ELISA Kit
Detection Range:	78 pg/ml - 5000 pg/ml
Sensitivity:	<5 pg/ml

Target Details

Gene Name:	IL2RA
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: E22-K236

Purity/Specificity: Natural and recombinant mouse CD25. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P01590](#)
- [NCBI - NP_032393.3](#)
- [GeneID - 16184](#)
- [KOA0552 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 313pg/ml, 156pg/ml, 78pg/ml mouse CD25 standard solutions into the pre-coated 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) to each empty well. We recommend that each mouse CD25 standard solution and each sample is measured in duplicate.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Other: Expiration Dates as stored at:
2-8° C - 04/14/20
-20° C - 10/14/20

Formulation

Concentration: 1 Kit

Anticoagulant: Heparin Sodium

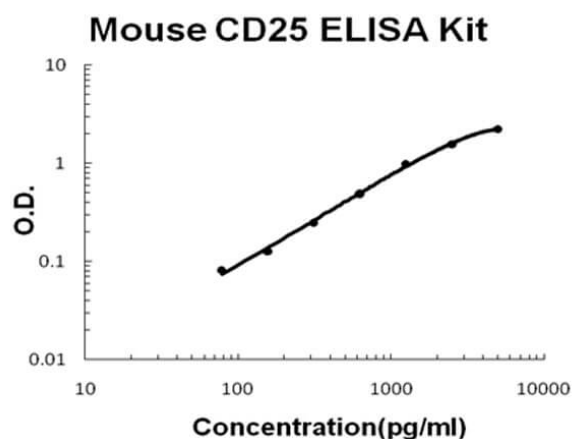
Shipping & Handling

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 CD25/IL-2sR alpha AccuSignal ELISA Kit standard curve. Assay Range: 78pg/ml-5000pg/ml.

Sensitivity: <5pg/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.