

Datasheet for KOA0217**Human CD25 - IL-2sR alpha ELISA Kit****Overview**

Description:	Human CD25/IL-2sR alpha AccuSignal ELISA Kit - KOA0217
Item No.:	KOA0217
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
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. The IL2R gene was mapped to 10p15-p14. CD25 is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, and tumor infiltrating lymphocytes. 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, IL2 RA, 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, TAC antigen
Detection Kit Type:	ELISA Kit
Detection Range:	78 pg/ml - 5000 pg/ml
Sensitivity:	<5 pg/ml

Target Details

Gene Name:	IL2RA
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: E22-C213
Purity/Specificity:	Natural and recombinant human CD25. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P01589 • NCBI - NP_000408.1 • GeneID - 3559 • KOA0217 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 313pg/ml, 156pg/ml, 78pg/ml human 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human 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:	DOE: 2-8° C - 08/17/2022 -20° C - 02/15/2023

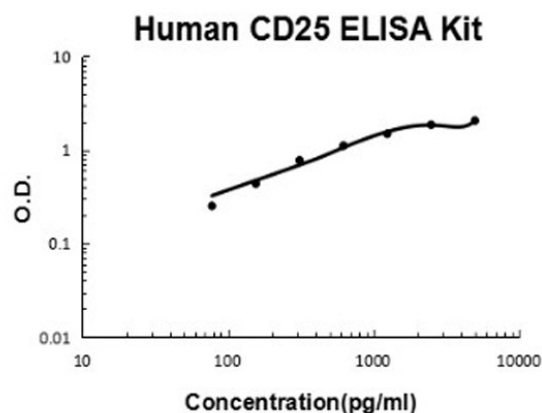
Formulation

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

Human CD25/IL-2sR alpha ELISA Kit standard curve.

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.