

Datasheet for KOA0713**Human soluble CD5 ELISA Kit****Overview**

Description:	Human soluble CD5 AccuSignal ELISA Kit - KOA0713
Item No.:	KOA0713
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	93.7 pg/ml - 6000 pg/ml

Product Details

Background:	CD5, also known as T1 or LEU1, is a cluster of differentiation found on a subset of IgM-secreting B cells called B-1 cells, and also on T cells. It is mapped to 11q12.2. Although CD5 can be found on both T cells and B cells, T cells express higher levels of CD5 than B cells. CD5 was used as a T-cell marker until monoclonal antibodies against CD3 were developed. CD5 is upregulated on T cells upon strong activation. In the thymus, there is a correlation with CD5 expression and strength of the interaction of the T cell towards self-peptides. Nevertheless, CD5 serves to mitigate activating signals from the BCR so that the B-1 cells can only be activated by very strong stimuli (such as bacterial proteins) and not by normal tissue proteins.
Synonyms:	CD 5, CD5, CD5 antigen (p56 62), CD5 antigen, CD5 molecule, CD5_HUMAN, LEU 1, LEU1, Ly12, LyA, Lymphocyte Antigen CD5, Lymphocyte antigen T1/Leu 1, Lymphocyte antigen T1/Leu-1, Lymphocyte glycoprotein T1/Leu1, OTTHUMP00000236973, p56 62, T cell surface glycoprotein CD5, T-cell surface glycoprotein CD5, T1
Detection Kit Type:	ELISA Kit
Detection Range:	93.7 pg/ml - 6000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CD5
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: R25-N371

Purity/Specificity: Natural and recombinant human CD5. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [KOA0713 SDS](#)
- [UniProtKB - P06127](#)
- [NCBI - NP_055022.2](#)
- [GeneID - 921](#)
- [KOA0713 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 6000pg/ml, 3000pg/ml, 1500pg/ml, 750pg/ml, 419pg/ml, 187.5pg/ml, 93.7pg/ml human CD5 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human CD5 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- 07/08/2026
@ -20°C 01/08/2027

Formulation

Concentration: 1 Kit

Anticoagulant: Heparin Sodium

Shipping & Handling

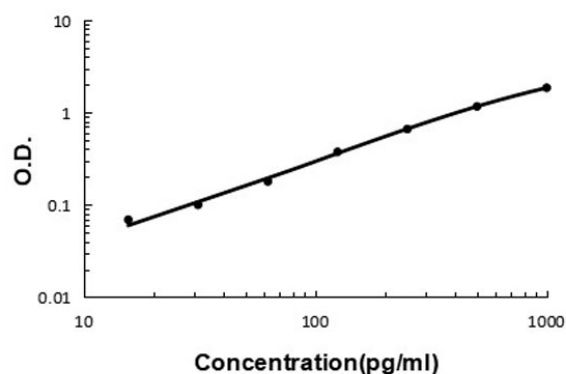
Shipping Condition: Wet Ice

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

Human Soluble CD5 ELISA Kit



ELISA

Human soluble CD5 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.