

Datasheet for KOA0785**Human CD32 - FCGR2b - c ELISA Kit****Overview**

Description:	Human CD32/FCGR2b/c AccuSignal ELISA Kit - KOA0785
Item No.:	KOA0785
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	46.9 pg/ml - 3000 pg/ml

Product Details

Background:	CD32 is a surface receptor protein and part of a large population of B cell co-receptors, which act to modulate signaling. It has a low-affinity for IgG antibodies and down-regulates antibody production in the presence of IgG. This feedback loops essentially lowers the production of IgG produced by B cells when there is a surplus in the body.
Synonyms:	CD32 antigen, CD32A, CD32B, CD32C, CDw32, Fc fragment of IgG low affinity IIa receptor, Fc fragment of IgG low affinity IIb receptor, Fc fragment of IgG low affinity IIc receptor, Fc-gamma RII-a, Fc-gamma RII-b, Fc-gamma RII-c, Fc-gamma-RIIa, FC-gamma-RIIB, FCG2, FCG2A_HUMAN, FcgammaRIIC, FcGR, FCGR2, FCGR2A, FCGR2C, Fcgr3, Fcgr3a, Fcr-2, Fcr-3, FcRII a, FCRII, FcRII b, FcRIIC, IGFR 2, IGFR2, IgG Fc receptor II a, IgG Fc receptor II a, Low affinity immunoglobulin gamma Fc region receptor II, Lymphocyte antigen 17
Detection Kit Type:	ELISA Kit
Detection Range:	46.9 pg/ml - 3000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	FCGR2B
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: A46-P217
Purity/Specificity:	Natural and recombinant human CD32. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P31995](#)
- [NCBI - NP_963857.3](#)
- [GeneID - 9103](#)
- [KOA0785 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 3000pg/ml, 1500pg/ml, 750pg/ml, 419.pg/ml, 187.5pg/ml, 93.8pg/ml, 46.9pg/ml human CD32 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 supernatants, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human CD32 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.

Formulation

Anticoagulant:	Heparin Sodium
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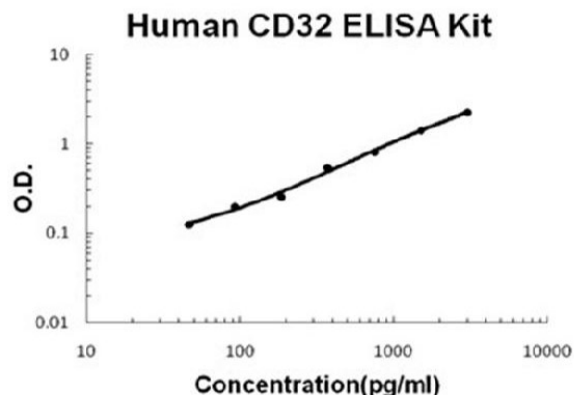
Shipping & Handling

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 CD32/FCGR2b/c 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.