

Datasheet for KOA0672**Human S100A12 ELISA Kit****Overview**

Description:	Human S100A12 AccuSignal ELISA Kit - KOA0672
Item No.:	KOA0672
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	312 pg/ml - 20,000 pg/ml

Product Details

Background:	S100 calcium-binding protein A12 (S100A12) is a protein that in humans is encoded by the S100A12 gene. It is also known as calgranulin C. By direct R-banding FISH, the S100A12 gene is mapped to chromosome 1q21.2-q22. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. And this protein is proposed to be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities.
Synonyms:	CAAF1, CAGC, Calcitermin, Calcium binding protein in amniotic fluid, Calcium-binding protein in amniotic fluid 1, Calgranulin C, Calgranulin related protein, Calgranulin-C, CGRP, EN RAGE, EN-RAGE, ENRAGE, Extracellular newly identified RAGE-binding protein, migration inhibitory factor-related protein 6, MRP6, Neutrophil S100 protein, p6, Protein S100 A12, S100 calcium binding protein A12, S100 calcium-binding protein A12 (calgranulin C), S100 calcium-binding protein A12, S10AC_HUMAN
Detection Kit Type:	ELISA Kit
Detection Range:	312 pg/ml - 20,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name: S100A12

Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: M1-E92
Purity/Specificity:	Natural and recombinant human S100A12. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P80511 • NCBI - NP_005612.1 • GeneID - 6283 • KOA0672 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 20,000pg/ml, 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml human S100A12 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 S100A12 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.
ELISA:	312pg/ml-20,000pg/ml
Other:	DOE, 2-8° C - 04/08/20 -20° C - 10/08/20

Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

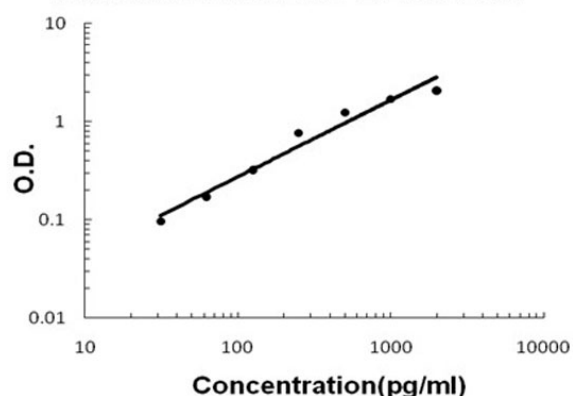
Shipping Condition:	Wet Ice
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Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior 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 S100A12 ELISA Kit



ELISA

Human S100A12 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.