

Datasheet for KOA0662

Mouse S100A9 ELISA Kit**Overview**

Description:	Mouse S100A9 AccuSignal ELISA Kit - KOA0662
Item No.:	KOA0662
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	Protein S100A9 also known as migration inhibitory factor-related protein 14 (MRP-14) or calgranulin-B is a protein that is encoded by the S100A9 gene. S100A9 is a member of the S100 family of proteins containing 2 EF hand calcium-binding motifs. It is mapped to Chromosome 3 in mouse. 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. This protein may function in the inhibition of casein kinase. S100A9 complexes with S100A8, another member of the S100 family of calcium-modulated proteins regulates myeloid cell function by binding to Toll-like receptor-4 (TLR-4) and the receptor for advanced glycation end products.
Synonyms:	Leukocyte L1 complex heavy chain, CAGB, Calgranulin B, Calprotectin L1H subunit, CFAG, CGLB, Cystic fibrosis antigen, Cystic fibrosis antigen B, L1AG, Leukocyte L1 complex heavy chain, LIAG, MAC 387, MAC387, MIF, Migration inhibitory factor related protein 14, Migration inhibitory factor-related protein 14, MRP14, Myeloid-related protein 14, NIF, P14, S100 A9, S100 calcium binding protein A9, S100 calcium binding protein A9 calgranulin B, S100 calcium-binding protein A9, S10A9_HUMAN
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	S100A9
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Reactivity:	Mouse
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: A2-K113
Purity/Specificity:	Natural and recombinant mouse S100A9. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P31725 • NCBI - NP_001268781.1 • GenelD - 20202 • KOA0662 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse S100A9 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 mouse cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse S100A9 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: 2-8° C - 12/26/19 -20° C - 06/26/20

Formulation

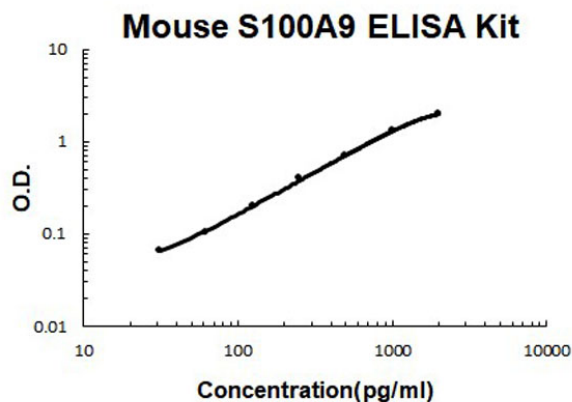
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

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 S100A9 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.