

Datasheet for KOA0634**Human Galectin-9 ELISA Kit****Overview**

Description:	Human Galectin-9 AccuSignal ELISA Kit - KOA0634
Item No.:	KOA0634
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	93.8 pg/ml - 6000 pg/ml

Product Details

Background:	Galectin-9, also called HUAT or LGALS9A is a protein that in humans is encoded by the LGALS9 gene. This gene is mapped to 17q11.2. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. The protein has N- and C- terminal carbohydrate-binding domains connected by a link peptide.
Synonyms:	Ecalectin, Gal-9, Galectin-9, galectin9, HOM HD 21, HOMHD21, HUAT, Lectin galactoside binding soluble 9, LEG9_HUMAN, LGAL S9, LGALS 9, Lgals9, LGALS9A, MGC117419, MGC125973, MGC125974, Tumor antigen HOM-HD-21, Urate transporter/channel protein
Detection Kit Type:	ELISA Kit
Detection Range:	93.8 pg/ml - 6000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	LGALS9
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: M1-T355
Purity/Specificity:	Natural and recombinant human Galectin-9. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - O00182 • NCBI - NP_002299.2 • GeneID - 3965 • KOA0634 Protocol
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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 Galectin-9 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 Galectin-9 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:	93.8 pg/ml-6000 pg/ml
Other:	DOE: 2-8° C - 07/25/2021 -20° C - 01/25/2022

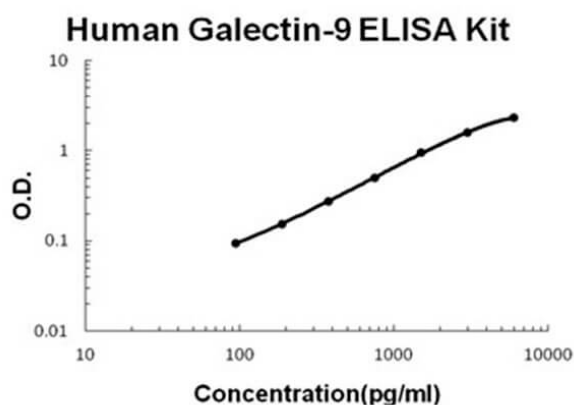
Formulation

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 Galectin-9 AccuSignal ELISA Kit standard curve. Assay Range: 93.8pg/ml-6000pg/ml. Sensitivity: <10pg/ml.

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.