

ARG83263 Human COLEC12 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83263 Human COLEC12 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human COLEC12 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	COLEC12
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	13 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 5.0% Inter-Assay CV: 5.9%
Alternate Names	COLEC12; Collectin Subfamily Member 12; SCARA4; SRCL; CL-P1; Scavenger Receptor With C-Type Lectin; Nurse Cell Scavenger Receptor 2; Collectin Placenta Protein 1; Collectin-12; HCL-P1; CLP1; NSR2; Scavenger Receptor Class A, Member 4; Scavenger Receptor Class A Member 4; Collectin Sub-Family Member 12

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

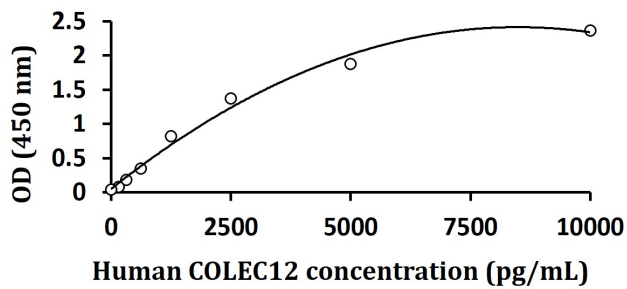
Bioinformation

Gene Symbol	COLEC12
Gene Full Name	Collectin Subfamily Member 12
Background	This gene encodes a member of the C-lectin family, proteins that possess collagen-like sequences and carbohydrate recognition domains. This protein is a scavenger receptor that displays several functions associated with host defense. It can bind to carbohydrate antigens on microorganisms, facilitating their recognition and removal. It also mediates the recognition, internalization, and degradation of

oxidatively modified low density lipoprotein by vascular endothelial cells.

Function	Scavenger receptor that displays several functions associated with host defense. Promotes binding and phagocytosis of Gram-positive, Gram-negative bacteria and yeast. Mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. Binds to several carbohydrates including Gal-type ligands, D-galactose, L- and D-fucose, GalNAc, T and Tn antigens in a calcium-dependent manner and internalizes specifically GalNAc in nurse-like cells. Binds also to sialyl Lewis X or a trisaccharide and asialo-orosomucoid (ASOR). May also play a role in the clearance of amyloid-beta in Alzheimer disease.
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Membrane

Images



ARG83263 Human COLEC12 ELISA Kit standard curve image

ARG83263 Human COLEC12 ELISA Kit results of a typical standard run with optical density reading at 450 nm.