

Product datasheet

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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

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.

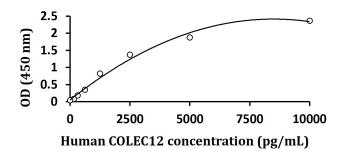
Function

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.