凝集胎盘蛋白 1 抗体

产品货号： mlR10736

英文名称： COLEC12

中文名称： 凝集胎盘蛋白 1 抗体

别　　名： Collectin placenta protein 1; Collectin placenta 1; Collectin-12; hCL-P1; CL-P1; Nurse cell scavenger receptor; Scavenger receptor with C-type lectin; Scavenger receptor class A member 4; COLEC12; CLP1; NSR2; SCARA4; SRCL. COL12_HUMAN.

研究领域： 细胞生物　染色质和核信号

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500
（石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 81kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human COLEC12:31-130/742 <Extracellular>

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍 ： Colec12 is a member of the C-lectin family, proteins that possess collagen-like sequences and carbohydrate recognition domains. Colec12 is a scavenger receptor that displays several functions associated with host defense. It promotes binding and phagocytosis of Gram-positive, Gram-negative bacteria and yeast and mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) 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.

Subunit:

The extracellular domain forms a stable trimer. The extracellular domain interacts with fibrillar beta amyloid peptide.

Subcellular Location:

Membrane; Single-pass type II membrane protein. Note=Forms clusters on the cell surface.

Tissue Specificity:

Expressed in perivascular macrophages. Expressed in plaques-surrounding reactive astrocytes and in perivascular astrocytes associated with cerebral amyloid angiopathy (CAA) in the temporal cortex of Alzheimer patient (at protein level). Strongly expressed in placenta. Moderately expressed in heart, skeletal muscle, small intestine and lung. Weakly expressed in brain, colon, thymus and kidney. Expressed in nurse-like cells. Expressed in reactive astrocytes and vascular/perivascular cells in the brain of Alzheimer patient.

Similarity:

Contains 1 C-type lectin domain.

Contains 3 collagen-like domains.

SWISS:

Q5KU26

Gene ID:

81035

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.