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Rabbit Anti-COLEC11 antibody

SL8032R

Product Name:	COLEC11
Chinese Name:	凝集蛋白家族11抗体
Alias:	CL K1 IIb; Collectin kidney I; MGC129470; MGC129471; CL K1; CL K1 I; CL K1 II; CL K1 IIa; CLK1; COLEC 11; Collectin 11; Collectin kidney protein 1; Collectin sub family member 11; Collectin11; DKFZp686N1868; MGC3279; COL11_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human COLEC11(kidney):122-200/271
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	COLEC11 is a 271 amino acid C-type lectin protein that contains a collagen-like domain and a carbohydrate recognition domain, and plays an important role in host-defense. COLEC11 binds to various sugars and LPS (lipopolysaccharides), which include fucose but does not bind to glucose, hnRNP, Beta-1,3-Gal-T3 or mannose.

COLEC11 is ubiquitously expressed in most tissues with high expression in kidney, liver, fetal liver, small intestine, thymus, spinal cord, placenta, adrenal gland, pancreas and several cell lines. COLEC11 is a secreted protein and all alternatively spliced isoforms of COLEC11 have oligomeric structures created through disulfide bonding.

Function:
COLEC11 is a lectin that binds to various sugars: fucose > mannose. It does not bind to glucose, N-acetylglucosamine and N-acetylgalactosamine but binds to LPS.

Subcellular Location:
Secreted.

Tissue Specificity:
Ubiquitous.

DISEASE:
Defects in COLEC11 are the cause of 3MC syndrome type 2 (3MC2) [MIM:265050]. 3MC2 is an a disorder characterized by facial dysmorphism that includes hypertelorism, blepharophimosis, blepharoptosis and highly archedDE eyebrows, cleft lip and/or palate, craniosynostosis, learning disability and genital, limb and vesicorenal anomalies. The term 3MC syndrome includes Carnevale, Mingarelli, Malpuech, and Michels syndromes.

Similarity:
Belongs to the COLEC10/COLEC11 family.
Contains 1 C-type lectin domain.
Contains 1 collagen-like domain.

SWISS:
Q9BWP8

Gene ID:
78989

Database links:

Entrez Gene: 78989Human

Omim: 612502Human

SwissProt: Q9BWP8Human

Unigene: 32603Human

Unigene: 735715Human

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