

Rabbit anti-Human COLEC11 Polyclonal Antibody | anti-COLEC11 antibody

COLEC11 Antibody (N-term)

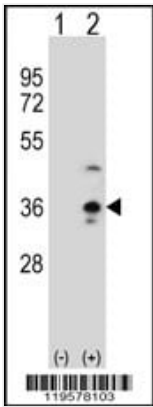
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290122	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

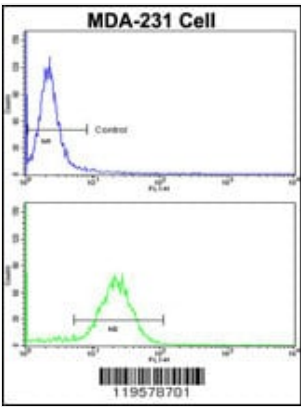
COLEC11; Polyclonal Antibody; COLEC11 Antibody (N-term); Collectin-11; Collectin kidney protein 1; CL-K1; anti-COLEC11 antibody

PRODUCT SPECIFICATIONS

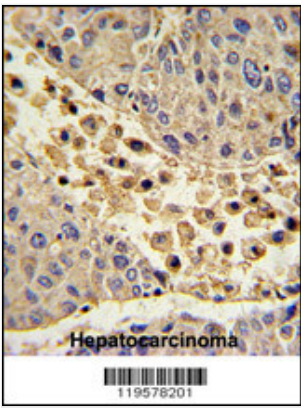
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COLEC11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-78 amino acids from the N-terminal region of human COLEC11.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	50-78
Sequence Length	285
Applicable Applications for anti-COLEC11 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Clone Names	RB19578
Antigen Source	Human
Function	Lectin that plays a role in innate immunity, apoptosis and embryogenesis (PubMed: , PubMed:21258343). Calcium-dependent lectin that binds self and non-self glycoproteins presenting high mannose oligosaccharides with at least one terminal alpha-1,2-linked mannose epitope (PubMed:). Primarily recognizes the terminal disaccharide of the glycan (PubMed:). Also recognizes a subset of fucosylated glycans and lipopolysaccharides (PubMed: , PubMed:25912189). Plays a role in innate immunity through its ability to bind non-self sugars presented by microorganisms and to activate the complement through the recruitment of MAPS1 (PubMed: , PubMed:25912189). Also plays a role in apoptosis through its ability to bind in a calcium-independent manner the DNA present at the surface of apoptotic cells and to activate the complement in response to this binding (Probable). Finally, plays a role in development, probably serving as a guidance cue during the migration of neural crest cells and other cell types during embryogenesis (PubMed: , PubMed:28301481).
Cellular Location	Secreted.
Tissue Location	Ubiquitous (PubMed:17179669). Detected in adrenal gland, kidney, liver, ovaries and testis (at protein level) (PubMed:20956340).
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



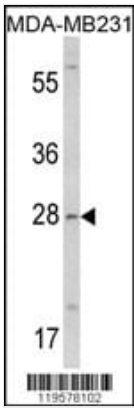
WB (Western Blot)
Western blot analysis of COLEC11 (arrow) using rabbit polyclonal COLEC11 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the COLEC11 gene.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of MDA-231 cells using COLEC11 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma with COLEC11 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of COLEC11 Antibody (N-term) in MDA-MB231 cell line lysates (35ug/lane). COLEC11 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-COLEC11 antibody	COLEC11 is a member of the collectin family of C-type lectins, which contain a collagen-like domain and a carbohydrate recognition domain, and play a role in host-defense
Product Categories/Family for anti-COLEC11 antibody	Cell Biology
References	Oguri,M., et.al., Am. J. Hypertens. (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	364502941
NCBI GeneID	78989
NCBI Accession #	NP_001242911.1; NP_001242912.1; NP_001242913.1; NP_001242914.1; NP_001242915.1; NP_001242916.1; NP_001242917.1; NP_001242918.1; NP_076932.1; NP_954705.1
NCBI GenBank Nucleotide #	NM_001255982.1
UniProt Accession #	Q9BWP8; Q5CZ85; A1IGE4; A1IGE5; A1IGE6; A7VJJ2; A7VJJ3; A7VJJ4; A7VJJ5; B2R9M5; B4E1G0; J3KQY9
NCBI Official Full Name	collectin-11 isoform c

NCBI Official Synonym Full Names	collectin sub-family member 11
NCBI Official Symbol	COLEC11
NCBI Official Synonym Symbols	3MC2; CLK1; CL-K1-I; CL-K1-II; CL-K1-IIa; CL-K1-IIb
NCBI Protein Information	collectin-11
UniProt Protein Name	Collectin-11
UniProt Gene Name	COLEC11
UniProt Synonym Gene Names	CL-K1
UniProt Entry Name	COL11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/colec11-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290122>