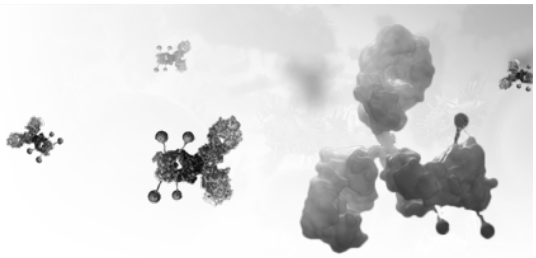

Goat Anti-Mouse CD301a/b polyclonal antibody (CABT-L3181)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects mouse MGL1 and MGL2 in direct ELISAs and Western blots.
Target	Mouse MGL1/2 (CD301a/b)
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MGL1; Gln57-Ser304
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	WB, FC, BL
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Long time storage is recommended at -20°C.
Ship	Wet ice

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BACKGROUND

Introduction	Mouse MGL1 (macrophage galactose N-acetyl-galactosamine (GalNAc) specific Lectin 1, CD301a), also called ASGP-BP (asialoglycoprotein binding protein), is a 38 kDa type II transmembrane glycoprotein of the C-type lectin family. Two MGL proteins are encoded by separate genes in the mouse, but share 91% amino acid (aa) identity in the extracellular domain (ECD). Only one MGL occurs in human and rat, and this is more structurally similar to mouse MGL1 than MGL2. However, mouse MGL1 binds Lewis X, in contrast to human MGL and mouse MGL2 which both bind specifically to terminal GalNAc residues. Lewis X is a trisaccharide commonly found on leukocytes and some tumor cells. Both mouse MGL proteins are expressed on immature dendritic cells. Mouse MGL1 and MGL2 are markers for connective tissue macrophages of a type termed alternately activated macrophages. These macrophages are induced by IL-4 that is produced during Th2-mediated inflammatory responses to parasitic infections or allergic airway inflammation.
Keywords	MGL1/2;MGL1;MGL2

GENE INFORMATION

Synonyms	MGL1; MGL; M-ASGP-BP; Macrophage galactose-type C-type lectin; CLEC10A; CD301a

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