SIGLEC12 polyclonal antibody

Catalog # PAB6335 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of SIGLEC12.
Immunogen	A synthetic peptide corresponding to human SIGLEC12.
Sequence	C-EAIGYEYSEINIPK
Host	Goat
Theoretical MW (kDa)	51.7, 65
Specificity	This antibody is expected to recognize both human isoforms of this protein (NP_201586; NP_443729).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:128000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SIGLEC12

Entrez GeneID	89858
Protein Accession#	NP_201586;NP_443729
Gene Name	SIGLEC12
Gene Alias	FLJ38600, S2V, SIGLECL1, SLG, Siglec-12, Siglec-L1, Siglec-XII
Gene Description	sialic acid binding Ig-like lectin 12
Omim ID	606094
Gene Ontology	Hyperlink
Gene Summary	Sialic acid-binding immunoglobulin-like lectins (SIGLECs) are a family of cell surface proteins belonging to the immunoglobulin superfamily. They mediate protein-carbohydrate interactions by selectively binding to different sialic acid moieties present on glycolipids and glycoproteins. This gene encodes a member of the SIGLEC3-like subfamily of SIGLECs. Members of this subfamily are characterized by an extracellular V-set immunoglobulin-like domain followed by two C2-set immunoglobulin-like domains, and the cytoplasmic tyrosine-based motifs ITIM and SLAM-like. The encoded protein, upon tyrosine phosphorylation, has been shown to recruit the Src homology 2 domain-containing protein-tyrosine phosphatases SHP1 and SHP2. It has been suggested that the protein is involved in the negative regulation of macrophage signaling by functioning as an inhibitory receptor. This gene is located in a cluster with other SIGLEC3-like genes on 19q13.4. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq
Other Designations	SIGLEC-like 1|sialic acid binding immunoglobulin-like lectin-like protein 1

Publication Reference

- Identification and characterization of S2V, a novel putative siglec that contains two V set Ig-like domains and recruits protein-tyrosine phosphatases SHPs.

  Yu Z, Lai CM, Maoui M, Banville D, Shen SH.

  The Journal of Biological Chemistry 2001 Jun; 276(26):23816.

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema