

Recombinant Human SIGLEC12 cell lysate

Cat. No. SIGLEC12-1605HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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GENE INFORMATION

Gene Name	SIGLEC12 sialic acid binding Ig-like lectin 12 (gene/pseudogene) [Homo sapiens]
Official Symbol	SIGLEC12
Synonyms	SIGLEC12; sialic acid binding Ig-like lectin 12 (gene/pseudogene); sialic acid binding Ig like lectin 12 , SIGLEC like 1 , SIGLECL1; sialic acid-binding Ig-like lectin 12; S2V; Siglec 12; Siglec L1; Siglec XII; SLG; SIGLEC-like 1; sialic acid-binding Ig-like lectin-like 1; SIGLECL1; Siglec-XII; FLJ38600;
Gene ID	89858
mRNA Refseq	NM_033329
Protein Refseq	NP_201586
MIM	606094
UniProt ID	Q96PQ1
Chromosome Location	19q13.41
Function	sugar binding;

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