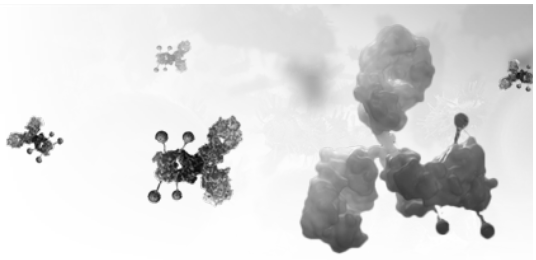

Rat anti-Mouse SIGLEC12 monoclonal antibody, clone 860730 (CABT-B9544)

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

PRODUCT INFORMATION

Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Siglec-E Gln19-Phe354
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse
Clone	860730
Purification	Protein A/G
Conjugate	Unconjugated
Applications	FC
Format	Lyophilized
Concentration	0.2 mg/ml
Size	100 µg
Buffer	PBS with 5% trehalose
Preservative	no preservative
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

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Introduction	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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Keywords	SIGLEC12; sialic acid binding Ig-like lectin 12 (gene/pseudogene); S2V; SLG; SIGLECL1; Siglec-XII; sialic acid-binding Ig-like lectin 12; SIGLEC-like 1; sialic acid-binding Ig-like lectin-like 1;

GENE INFORMATION

Entrez Gene ID	89858
UniProt ID	Q96PQ1

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