

Datasheet for ABIN357144

**anti-SIGLEC5 antibody (C-Term)**[Go to Product page](#)**1** Image

## Overview

Quantity:	0.4 mL
Target:	SIGLEC5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIGLEC5 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human SIGLEC5.
Isotype:	Ig Fraction
Specificity:	This antibody detects SIGLEC5 at C-term.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

## Target Details

Target:	SIGLEC5
Alternative Name:	CD170 / SIGLEC5 ( <a href="#">SIGLEC5 Products</a> )

## Target Details

**Background:** SIGLECs are members of the immunoglobulin superfamily that are expressed on the cell surface. Most SIGLECs have one or more cytoplasmic immune receptor tyrosine-based inhibitory motifs (ITIM). SIGLECs are typically expressed on cells of the innate immune system, with the exception of the B-cell expressed SIGLEC6. Sequence analysis predicted that the 697-amino acid SIGLEC10 protein contains a signal peptide, an N-terminal V-set Ig-like domain and four C2-set Ig-like domains, five potential N-linked glycosylation sites, a transmembrane region, and a 126-residue cytoplasmic tail with 3 putative ITIMs. Northern blot analysis detected a major 3.0-kb SIGLEC10 transcript, with highest levels in spleen, lymph node, blood leukocytes, and appendix. Little or no expression was observed in pancreas, thyroid, and testis. Flow cytometric analysis demonstrated eosinophil-specific expression of SIGLEC10, but at a lower level than that of SIGLEC8. Expression was also detected on monocytes and a CD16-positive/CD56-negative natural killer-like lymphocyte population. After sialidase treatment, which is necessary for unmasking the sialic acid-binding site on SIGLECs interacting with cell surface sialic acids, cells expressing SIGLEC10 bound to red blood cells. Immunoprecipitation analysis indicated expression of a 100- to 120-kD monomeric protein, higher than the predicted molecular mass, suggesting that SIGLEC10 is glycosylated. Synonyms: CD33 antigen-like 2, CD33L2, OB-binding protein 2, OBBP2, Obesity-binding protein 2, Sialic acid-binding Ig-like lectin 5, Siglec-5

**Molecular Weight:** 60715 Da

**Gene ID:** 8778, 5874

**UniProt:** [O15389](#)

## Application Details

**Application Notes:** ELISA 1: 1,000. Western blot 1: 100 - 1: 500.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS with 0.09 % (W/V) sodium azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.

Images

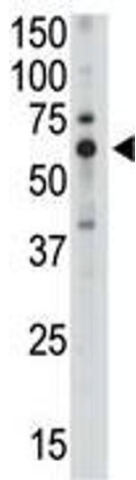


Image 1.