



Rat Anti-Mouse Siglec-H Monoclonal antibody, clone 440c (CABT-L4471)

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

PRODUCT INFORMATION

Product Overview	The 440c monoclonal antibody recognizes mouse Siglec-H, a member of the CD33-related Siglec family. Siglec-H has been shown to be exclusively expressed on plasmacytoid dendritic cells (pDCs) and type I IFN-producing cells (IPC) in naïve mice. IPCs play a major role in the immune response to viruses. The 440c antibody has been shown to inhibit pDC function.
Target	Mouse Siglec-H
Immunogen	Purified bone marrow-derived IPCs
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse
Clone	440c
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo administration, FC
Molecular Weight	150 kDa
Format	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg

Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The 440c monoclonal antibody recognizes mouse Siglec-H, a member of the CD33-related Siglec family. Siglec-H has been shown to be exclusively expressed on plasmacytoid dendritic cells (pDCs) and type I IFN-producing cells (IPC) in naïve mice. IPCs play a major role in the immune response to viruses. The 440c antibody has been shown to inhibit pDC function.
Keywords	SIGLECH;sialic acid binding Ig-like lectin H;sialic acid binding Ig like lectin H;SIGLEC like protein;OTTMUSP00000033948;OTTMUSP00000033950;OTTMUSP00000033951;OTTMUSP00000053865 like protein;Siglec-H;6430529G09Rik

GENE INFORMATION

Official Symbol	sialic acid binding Ig-like lectin H
Synonyms	SIGLECH; sialic acid binding Ig-like lectin H; sialic acid binding Ig like lectin H; SIGLEC like protein; OTTMUSP00000033948; OTTMUSP00000033950; OTTMUSP00000033951; OTTMUSP00000053865; OTTMUSP00000053866; SIGLEC-like protein; Siglec-H; 6430529G09Rik
References	Wu, V., et al. (2015). "Plasmacytoid dendritic cell-derived IFNα modulates Th17 differentiation during early Bordetella pertussis infection in mice." Mucosal Immunol. doi: 10.1038/mi.2015.101. PubMed;