Human Siglec-5/Siglec-14 Biotinylated Antibody

Monoclonal Mouse IgG_1 Clone # 194111

Catalog Number: BAM10722

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Siglec-5/Siglec-14 in ELISAs. In sandwich immunoassays, 100% cross-reactivity with recombinant human (rh) Siglec-14 is observed and no cross-reactivity with rhSiglec-3, rhSiglec-7, or rhSiglec-9 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 194111
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Siglec-5/Siglec-14 Lys18-Thr434 Accession # O15389
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Human Siglec-5 Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Human Siglec-5/Siglec-14 Antibody (Catalog # MAB10721)
ELISA Detection	0.5-2.0 µg/mL	Human Siglec-5/Siglec-14 Biotinylated Antibody (Catalog # BAM10722)
Standard		Recombinant Human Siglec-5/CD170 Fc Chimera (Catalog # 1072-SL)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Siglecs (sialic acid binding Ig-like lectins) are a subgroup of the immunoglobulin superfamily that interact with sialic acids in glycoproteins and glycolipids. Siglec-5 binds to alpha-2, 3- and alpha-2, 6-linked sialic acid equally. It occurs as a disulfide-linked dimer of approximately 140 kDa with the highest expression levels in hematopoietic tissues. Siglec-5 has an inhibitory motif within its cytoplasmic domain. Siglec-14 is an activating receptor that shares 99.5% aa sequence identity with Siglec-5 through the first two extracellular Ig domains and displays a similar glycan binding preference.

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