



Biotinylated Anti-human Siglec-5/14 Antibody

ORDERING INFORMATION

Catalog Number: BAF1072

Lot Number: IGK01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: human Siglec-5/14 extracellular domain

Immunogen: NS0-derived rhSiglec-5 extracellular domain

Ig Type: goat IgG

Applications: Western blot
Flow cytometry

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human sialic acid binding Ig-like lectin 5 (rhSiglec-5) extracellular domain. Human Siglec-5/14 specific IgG was purified by human Siglec-5 affinity chromatography and then biotinylated.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a **manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

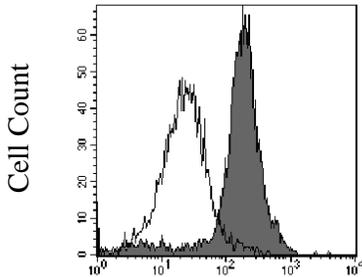
This antibody has been selected for use as a detection antibody in the applications listed below.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Siglec-5/14. The detection limit for rhSiglec-5 is approximately 5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 10% cross-reactivity with rhSiglec-7 and rhSiglec-9 and less than 5% cross-reactivity with rhSiglec-2 and rhSiglec-3.

Flow cytometry - This antibody was tested in flow cytometry using blood-derived monocytes. Dilute this antibody to 25 µg/mL and add 10 µL of this diluted solution to 1 - 2.5 x 10⁵ cells in a total reaction volume not exceeding 200 µL. The binding of biotinylated antibodies may be visualized by adding a secondary developing reagent such as streptavidin conjugated to a fluorochrome.

Optimal dilutions should be determined by each laboratory for each application.



Siglec-5

Human blood-derived monocytes were stained with biotinylated anti-Siglec-5/14 (R&D Systems, Cat. # BAF1072, filled histogram) or control antibody (R&D Systems, Cat. # BAF019, open histogram) followed by PE-conjugated streptavidin (R&D Systems, Cat. # F0040).

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1-800-343-7475

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