



## *Anti-human Siglec-9 Antibody*

### ORDERING INFORMATION

**Catalog Number:** AF1139

**Lot Number:** IDY01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human Siglec-9 extracellular domain

**Immunogen:** NS0-derived rhSiglec-9 extracellular domain

**Ig Type:** goat IgG

**Applications:** Western blot  
Immunocytochemistry  
Flow cytometry  
Direct ELISA

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human sialic acid binding Ig-like lectin-9 (rhSiglec-9) extracellular domain. Human Siglec-9 specific IgG was purified by human Siglec- affinity chromatography.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### ***Reconstitution***

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/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 its ability to recognize human Siglec-9 in the applications listed below.

### ***Applications***

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Siglec-9. The detection limit for rhSiglec-9 is approximately 0.3 ng/well.

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Siglec-9. The detection limit for rhSiglec-9 is approximately 5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 25% cross-reactivity with rhSiglec-7, 5% cross-reactivity with rhSiglec-3, rhSiglec-5 and less than 1% cross-reactivity with rhSiglec-2.

**Immunocytochemistry** - This antibody will detect Siglec-9 in cells. The working dilution 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

**Flow cytometry** - This antibody can be used at 3 - 10 µg/mL/10<sup>6</sup> cells with an appropriate secondary antibody for indirect immunofluorescence staining of cells by flow cytometry.

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