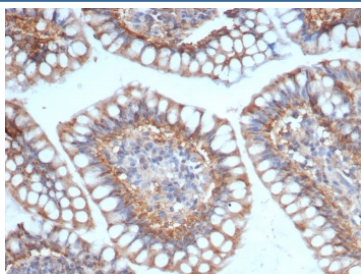


## SIGLEC10 Antibody [clone SIGLEC10/7583] (V4515)

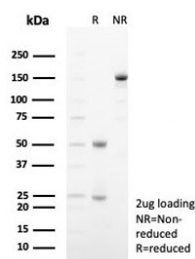
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V4515-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4515-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V4515SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

[Bulk quote request](#)

|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human  |
| <b>Format</b>             | Purified   |
| <b>Host</b>               | Mouse  |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                  |
| <b>Isotype</b>            | Mouse IgG2, kappa  |
| <b>Clone Name</b>         | SIGLEC10/7583  |
| <b>Purity</b>             | Protein A/G affinity                                       |
| <b>UniProt</b>            | Q96LC7   |
| <b>Localization</b>       | Cytoplasm, Cell surface, Secreted                          |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT    |
| <b>Limitations</b>        | This SIGLEC10 antibody is available for research use only. |



IHC staining of FFPE human small intestine tissue with SIGLEC10 antibody (clone SIGLEC10/7583). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free SIGLEC10 antibody (clone SIGLEC10/7583) as confirmation of integrity and purity.

## Description

Siglec-10 (sialic acid-binding Ig-like lectin 10) is a 697 amino acid protein belonging to the immunoglobulin superfamily. The N-terminal Ig-like domain of Siglec-10 contains a sialic acid-binding site and the C-terminal cytoplasmic region of Siglec-10 contains two immunoreceptor tyrosine-based inhibitor motifs (ITIMs), which are involved in the modulation of cellular responses through SH2 domains. With most expression in spleen, bone marrow and peripheral blood lymphocytes, such as monocytes, natural killer cells and eosinophils, it is likely that Siglec-10 functions as an inhibitory receptor in the immune response. Importantly, Siglec-10 mRNA is found to be highly upregulated in eosinophils at sites of inflammation in asthmatics, suggesting that Siglec-10 may be an appropriate target for new approaches of immunomodulatory therapy. There are six named isoforms of Siglec-10 that are a result of alternative splicing. All isoforms exist as single-pass transmembrane proteins, except for isoform 6, which is secreted.

## Application Notes

Optimal dilution of the SIGLEC10 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 500-697) from the human protein was used as the immunogen for the SIGLEC10 antibody.

## Storage

Aliquot the SIGLEC10 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.