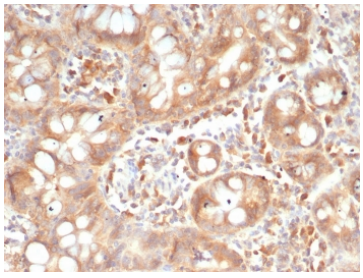
SIGLEC10 Antibody [clone SIGLEC10/7581] (V4520)

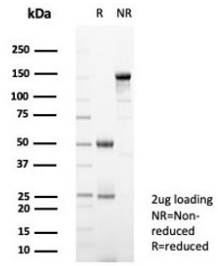
Catalog No.	Formulation	Size
V4520-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4520-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4520SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	SIGLEC10/7581
Purity	Protein A/G affinity
UniProt	Q96LC7
Localization	Cytoplasm, Cell surface, Secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This SIGLEC10 antibody is available for research use only.



IHC staining of FFPE human small intestine tissue with SIGLEC10 antibody (clone SIGLEC10/7581). 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 SIGLEC10/7581) 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 exists 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 -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com