BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-SIGLEC6 Antibody Picoband®

Catalog Number: A10598-3

About SIGLEC6

Siglec-6, originally identified on trophoblast cells of the placenta, is highly and consistently expressed on MCs from both mucosal and non-mucosal sites. Siglec-6 consists of 3 extracellular immunoglobulin (Ig) domains and 2 intracellular immunoreceptor tyrosine-based inhibition motifs (ITIMs), closely resembling the molecular structure of Siglec-3 (CD33) (PMID: 34289026). Siglec-6 was recruited to placental expression during human evolution, presumably to interact with sialylated ligands for specific negative signaling functions and/or to regulate leptin availability (PMID: 17580316). Siglec-6 is an immunoreceptor tyrosine-based inhibitory motif (ITIM)-bearing receptor selectively expressed by mast cells, making it a promising target for therapeutic intervention (PMID: 35406705).

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Overview

Product Name	Anti-SIGLEC6 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-SIGLEC6 Antibody Picoband® catalog # A10598-3. Tested in IHC, ELISA applications. This antibody reacts with Human.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O43699

Technical Details

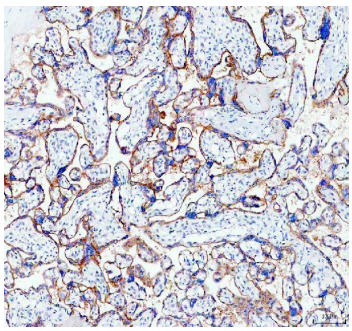
Immunogen	E.coli-derived human SIGLEC6 recombinant protein (Position: R18-D197).
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Isotype	Rabbit IgG

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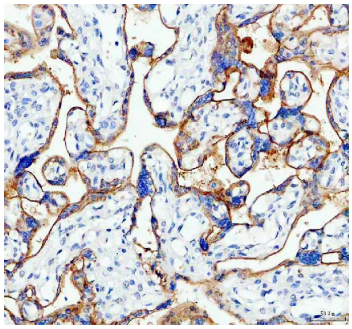
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 2-5ug/ml, Human ELISA, 0.1-0.5ug/ml, -

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Anti-SIGLEC6 Antibody Picoband® (A10598-3) Images



IHC analysis of SIGLEC6 using anti-SIGLEC6 antibody (A10598-3). SIGLEC6 was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SIGLEC6 Antibody (A10598-3) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of SIGLEC6 using anti-SIGLEC6 antibody (A10598-3). SIGLEC6 was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SIGLEC6 Antibody (A10598-3) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

For Research Use Only. Not for use in diagnostic procedures.