

Anti-SIGLEC5 [1A5]

Catalogue number: 151589

Sub-type: Primary antibody

Images:

Contributor

Inventor: Paul Crocker

Institute: University of Dundee

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-SIGLEC5 [1A5]

Alternate name: Sialic Acid Binding Ig Like Lectin 5; Obesity-Binding Protein 2; OB-Binding Protein 2; CD33 Antigen-Like 2; SIGLEC-5; CD33L2; OBBP2; Sialic Acid-Binding Immunoglobulin-Like Lectin 5; CD17 Antigen;

Class: Monoclonal

Conjugate: Unconjugated

Description: The Siglecs are a family of membrane bound lectins (of the immunoglobulin superfamily) that bind sialic acid and mediate cell-cell interactions. Siglec5 (CD170) is a member of the recently-described human CD33-related siglec subgroup of sialic acid binding Ig-like lectins and is expressed on myeloid cells of the hemopoietic system. Similar to other CD33- related siglecs, Siglec-5 contains two tyrosine based motifs in its cytoplasmic tails implicated in signalling functions. The antibody cross reacts with Siglec14.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Siglec-5-Fc protein, containing entire extracellular region of siglec-5 fused with the Fc region of human IgG1

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Siglec5 transfected CHO cells. Apart from Siglec14 (Angata T et al. 2006 FASEB J. 20:1964-73. PMID: 17012248), non-cross-reactive with panel of other Siglec proteins, either expressed on CHO cells or as recombinant proteins.

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Siglec5

Target alternate names:

Target background: The Siglecs are a family of membrane bound lectins (of the immunoglobulin superfamily) that bind sialic acid and mediate cell-cell interactions. Siglec5 (CD170) is a member of the recently-described human CD33-related siglec subgroup of sialic acid binding Ig-like lectins and is expressed on myeloid cells of the hemopoietic system. Similar to other CD33- related siglecs, Siglec-5 contains two tyrosine based motifs in its cytoplasmic tails implicated in signalling functions. The antibody cross reacts with Siglec14.

Molecular weight:

Ic50:

Applications

Application: IHC ; ELISA ; FACS ; IHC ; IF ; IP ; Fn ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -80° C

Shipping conditions:

Shipping at 4° C

Related tools

Related tools:

References

References: De Filippo et al. 2014. FASEB J. 28(8):3600-8. PMID: 24776746. ; McNeill et al. 2014. Int J Cancer. 135(4):798-808. PMID: 24436096. ; A new protective role for S100A9 in regulation of neutrophil recruitment during invasive pneumococcal pneumonia. ; S100A9 has a protective role in inflammation-induced skin carcinogenesis. ; Croce et al. 2009. Circulation. 120(5):427-36. PMID: 19620505. ; Myeloid-related protein-8/14 is critical for the biological response to vascular injury. ; Hobbs et al. 2003. Mol Cell Biol. 23(7):2564-76. PMID: 12640137. ; Myeloid cell function in MRP-14 (S100A9) null mice.

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