

Product datasheet

Anti-CD43 antibody [SPN/839] - BSA and Azide free
ab212850

2 Images

Overview

Product name	Anti-CD43 antibody [SPN/839] - BSA and Azide free
Description	Mouse monoclonal [SPN/839] to CD43 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF, Flow Cyt, IHC-P
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant full length protein corresponding to Human CD43 aa 1-400. Sequence:</p> <p>MATLLLLLGVLVSPDALGSTTAVQTPTSGEPLVSTSE PLSSKMYTTSIT SDPKADSTGDQTSALPPSTSINEGSPLWTSIGASTGSP LPEPTYQEVSI KMSSVPQETPHATSHPAVPITANSLGSHVTGGTITTN SPETSSRTSGAP VTTAASSLET SRGTSGPPLTMATVSLET SKGTSGPPVT MATDSLETSTGT TGPPVTMTTGSLEPSSGASGPQVSSVKLSTMMSPPTS TNASTVPFRNPDE NSRGMLPVAVLVALLAVMLVALLLWRRRQKRRTGAL VLSRGGKRNGVV DAWAGPAQVPEEGAVTVTVGGSGGDKGSGFPDGEG SSRPRTLTTFFGRRK SRQGLAMEELKSGGSPSLKGEEELVASEDGAVDA PAPDEPEGGDGAAP</p> <p>Database link: P16150</p> <p style="text-align: right;"> Run BLAST with  Run BLAST with</p>
Positive control	Paracortex in a tonsil or a reactive lymph node; human spleen tissue; human spleen lysate.

Properties

Form Liquid

Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein G purified
Clonality	Monoclonal
Clone number	SPN/839
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab212850** in the following tested applications.

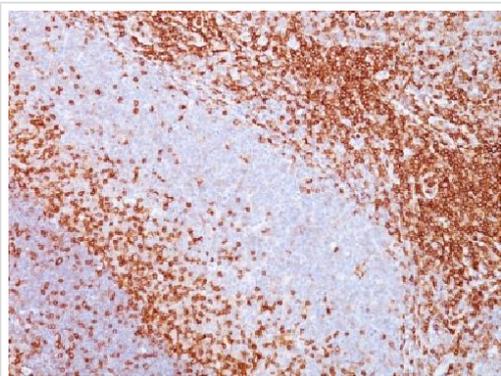
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 40 kDa.
ICC/IF		Use a concentration of 1 - 2 µg/ml.
Flow Cyt		Use 0.5-1µg for 10 ⁶ cells. (in 0.1ml volume)
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. (for 30 minutes at RT)

Target

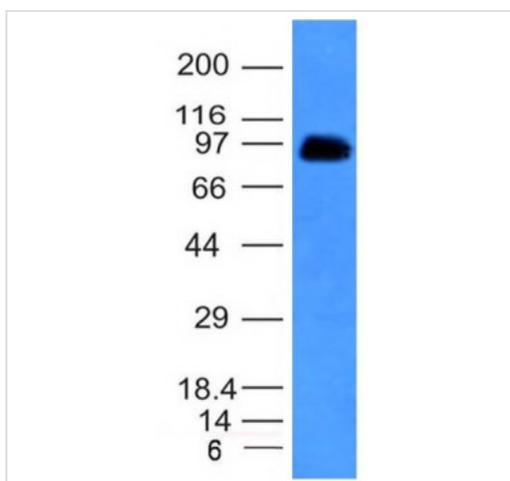
Function	One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter receptor for SN/Siglec-1 (By similarity). During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.
Tissue specificity	Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.
Post-translational modifications	Glycosylated; has a high content of sialic acid and O-linked carbohydrate structures.
Cellular localization	Membrane.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human spleen tissue labeling CD43 with ab212850 at 1 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD43 antibody [SPN/839] - BSA and Azide free (ab212850)



Anti-CD43 antibody [SPN/839] - BSA and Azide free (ab212850) at 1 µg/ml + human spleen lysate

Predicted band size: 40 kDa

Western blot - Anti-CD43 antibody [SPN/839] - BSA and Azide free (ab212850)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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