

Product Datasheet

CLEC10A/CD301 Antibody (ER-MP23) - BSA Free NB100-64874

Unit Size: 0.125 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-64874

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-64874

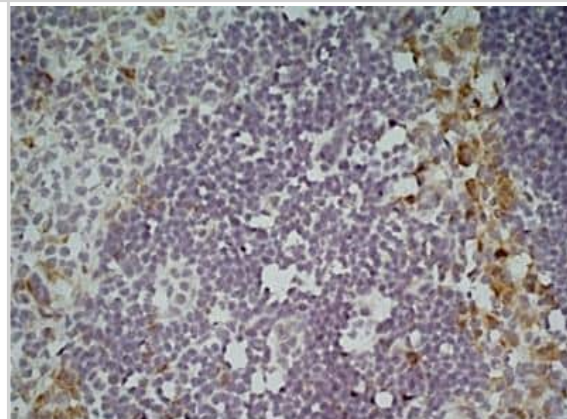


NB100-64874**CLEC10A/CD301 Antibody (ER-MP23) - BSA Free**

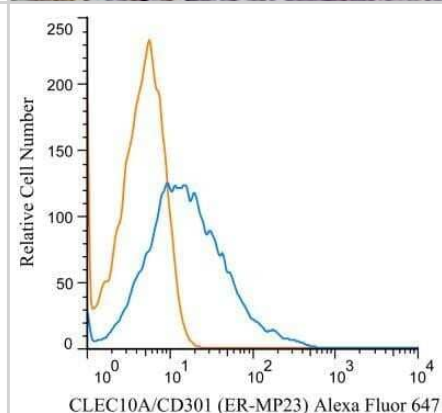
Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	ER-MP23
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rat CLEC10A/CD301 Antibody (ER-MP23) - BSA Free (NB100-64874) is a monoclonal antibody validated for use in IHC and Flow. Anti-CLEC10A/CD301 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	10462
Gene Symbol	CLEC10A
Species	Mouse
Specificity/Sensitivity	NB100-64874 recognizes murine CD301, a 38 kD cell surface protein that is otherwise known as macrophage galactose N-acetylgalactosamine lectin (MGL) or dendritic cell asialoglycoprotein (DC-ASGPR). In mice, CD301 is predominantly expressed on mature macrophages found associated with a wide range of connective tissues including macrophages in the dermis and the pancreas. Clone ER-MP23 also detects a population of dendritic cells in lymphoid tissue, which are probably recent immigrants from peripheral connective tissue sites. Expression of CD301 is induced by alternative (i.e. IL-4/IL-13 mediated) activation of macrophages and dendritic cells, but not all CD301 positive cells are necessarily IL-4/IL-13 stimulated. Clone ER-MP23 is reported to block the function of mouse CD301. The antibody binds both MGL1 and MGL2 homologues.
Immunogen	Balb/c macrophage precursor cell hybrids
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Flow Cytometry, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500

Images

Immunohistochemistry: CLEC10A/CD301 Antibody (ER-MP23) [NB100-64874] - Staining of a mouse lymph node with Rat anti Mouse CD301 antibody, clone ER-MP23 followed by horseradish peroxidase conjugated Goat anti Rat IgG antibody (STAR72). High power.



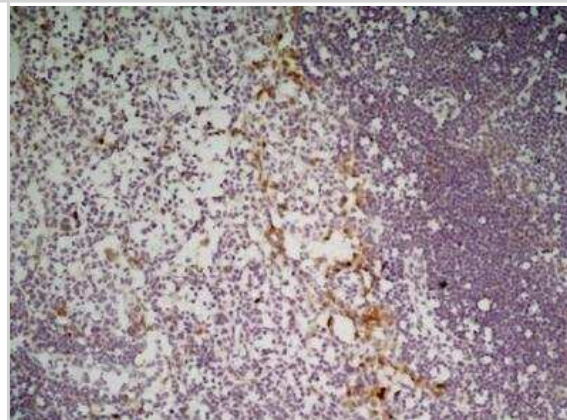
Flow Cytometry: CLEC10A/CD301 Antibody (ER-MP23) [NB100-64874] - A surface stain was performed on RAW 246.7 cells with CLEC10A/CD301 antibody (ER-MP23) NB100-64874AF647 (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 2 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Immunohistochemistry: CLEC10A/CD301 Antibody (ER-MP23) [NB100-64874] - Staining of a mouse lymph node with Rat anti Mouse CD301 antibody, clone ER-MP23 followed by horseradish peroxidase conjugated Goat anti Rat IgG antibody (STAR72). Low power



Immunohistochemistry: CLEC10A/CD301 Antibody (ER-MP23) [NB100-64874] - Staining of a mouse lymph node with Rat anti Mouse CD301 antibody, clone ER-MP23 followed by horseradish peroxidase conjugated Goat anti Rat IgG antibody (STAR72). Medium power



Publications

Luan D, Dadpey B, Zaid J et al. Adipocyte-Secreted IL-6 Sensitizes Macrophages to IL-4 Signaling Diabetes 2023-03-01 [PMID: 36449000] (FLOW, Mouse)

Eggink L, Hooper J Resolution of Eczema with Multivalent Peptides JID Innovations 2022-07-01 [PMID: 36039327]

Brooks PJ CD301/CLEC10 Expression and Its Role in IL-4 Driven Multinucleated Giant Cell Formation Thesis 2020-01-01 [PMID: 33571108]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-64874

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NB100-64874AF647	CLEC10A/CD301 Antibody (ER-MP23) [Alexa Fluor® 647]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-64874

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

