

Product Datasheet

DEP-1/CD148 Antibody (A3)

NBP3-45155

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-45155

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/NBP3-45155



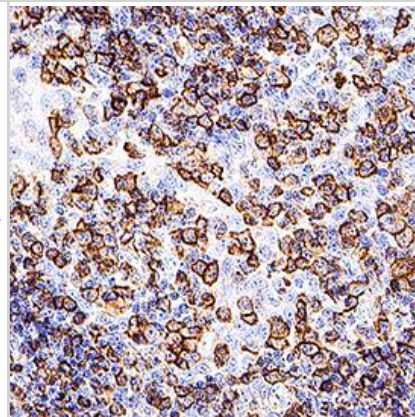
NBP3-45155

DEP-1/CD148 Antibody (A3)

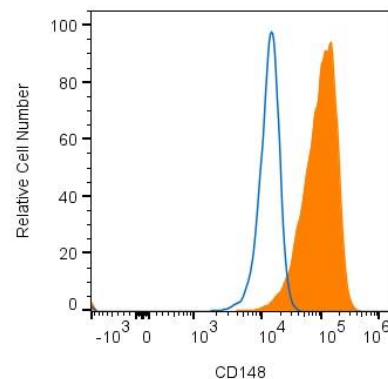
| Product Information | |
|-----------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | A3 |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG1 Kappa |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Product Description | |
| Description | Novus Biologicals Mouse DEP-1/CD148 Antibody (A3) (NBP3-45155) is a monoclonal antibody validated for use in IHC and Flow. Anti-DEP-1/CD148 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Mouse |
| Gene ID | 5795 |
| Gene Symbol | PTPRJ |
| Species | Human |
| Immunogen | PHA-stimulated human PBMC |
| Product Application Details | |
| Applications | Immunohistochemistry-Paraffin, Flow Cytometry |
| Recommended Dilutions | Flow Cytometry 0.5 - 2.0 ug/ml, Immunohistochemistry-Paraffin 1:100 - 1:500 |

Images

CD148 was detected in immersion fixed paraffin-embedded sections of human tonsil using Mouse Anti-Human CD148 Monoclonal Antibody (Catalog #NBP3-45155) at 5 μ g/ml for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the membrane of tonsil lymphocytes.



Human peripheral blood mononuclear cell (PBMC) lymphocytes were stained with Mouse Anti-Human CD148 Monoclonal Antibody (Catalog # NBP3-45155, filled histogram) or matched isotype control antibody (open histogram).



Publications

JE Baker, R Majeti, SG Tangye, et al. Protein tyrosine phosphatase CD148-mediated inhibition of T-cell receptor signal transduction is associated with reduced LAT and phospholipase Cgamma1 phosphorylation *Mol Cell Biol*. 2001-04-01 [PMID: 11259588]

SG Tangye, YJ Liu, G Aversa, et al. Identification of functional human splenic memory B cells by expression of CD148 and CD27 *J Exp Med*. 1998-11-02 [PMID: 9802981]

SG Tangye, J Wu, G Aversa, et al. Negative regulation of human T cell activation by the receptor-type protein tyrosine phosphatase CD148 *J Immunol*. 1998-10-15 [PMID: 9780142]

SG Tangye, JH Phillips, LL Lanier, et al. CD148: a receptor-type protein tyrosine phosphatase involved in the regulation of human T cell activation *J Immunol*. 1998-10-01 [PMID: 9759839] (Flow Cytometry, Human)



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 NBP3-45155

| | |
|------------------|--|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB7539 | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| NBP1-86547PEP | DEP-1/CD148 Recombinant Protein Antigen |

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/NBP3-45155

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

