

# Product Datasheet

## HLA A Antibody (22.63.4) NBP2-29714

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-29714](http://www.novusbio.com/NBP2-29714)

Updated 5/3/2021 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-29714](http://www.novusbio.com/reviews/destination/NBP2-29714)



**NBP2-29714**

HLA A Antibody (22.63.4)

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	22.63.4
Preservative	0.1% Sodium Azide
Isotype	IgG2b
Purity	Protein A or G purified
Buffer	PBS (pH 7.4) and 50% (v/v) Glycerol
Product Description	
Host	Mouse
Gene ID	3105
Gene Symbol	HLA-A
Species	Human
Specificity/Sensitivity	This antibody reacts with a common framework determinant of the 40-44kD protein of HLA-ABC Class I antigen. The antibody precipitates antigens of 40 - 44kD and 12kD (b2-microglobulin). Cell reactivity: The antibody reacts with all cells having HLA-ABC surface antigen. Erythrocytes and K562 and DAUDI are negative.
Immunogen	Nalm-6 cell line.
Notes	Relevant Entrez Gene Numbers: NM_002116.5
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 1:15 - 1:60, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:15 - 1:60
Application Notes	This antibody is suitable for indirect immunofluorescence analysis by flow cytometry and is an excellent positive control. It is suitable for cryostat sections but not for routine formalin fixed paraffin sections. If the tissue is prepared at 4C and fixed in PLP (Periodate-Lysine-Paraformaldehyde) before paraffin embedding, the antigen can be conserved (Hancock, 1982). SUGGESTED USAGE :DILUTION 1. Flow cytometry and indirect immunofluorescence: Dilute with isotonic buffer. Use 50 ul of diluted antibody per 1 x 10E6 peripheral blood mononuclear cells (PBMC) in 100 ul buffer. 2. Indirect immunoperoxidase staining - the final dilution will depend on the assay conditions and detection system employed. However, a dilution of at least 1:15 will be applicable to most commonly used systems.





### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **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](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-29714](http://www.novusbio.com/reviews/submit/NBP2-29714)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

