

# Product Datasheet

## ER-HR3 Antibody (ER-HR3) - BSA Free **NB100-64931**

Unit Size: 0.125 mg

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

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



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

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-64931](http://www.novusbio.com/NB100-64931)

Updated 10/22/2023 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/NB100-64931](http://www.novusbio.com/reviews/destination/NB100-64931)



**NB100-64931**

ER-HR3 Antibody (ER-HR3) - BSA Free

**Product Information**

<b>Unit Size</b>	0.125 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	ER-HR3
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2c
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4)

**Product Description**

<b>Host</b>	Rat
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	NB100-64931 recognizes the murine antigen ER-HR3. ER-HR3 is a cell surface antigen which is expressed by Langerhans cells in epithelium, a subset of mature macrophages and dendritic cells that are located predominantly in haematopoietic and lymphoid organs. Initial studies of ER-HR3 demonstrated expression on peripheral blood monocytes but recent studies suggest that expression is actually very low. During foetal development, ER-HR3 positive cells are localised to haemopoietic islands and are often associated with erythroid progenitor cells. The functions of the ER-HR3 antigen have not been established but reports suggest that the antigen may be involved in adult erythropoiesis and in the regulation of the immune response. Clone ER-HR3 does not inhibit T cell proliferation in antigen-specific T-cell proliferation studies. Clone ER-HR3 recognizes two proteins of approximately 69kD and 55kD under non-reducing conditions.
<b>Immunogen</b>	Adherent F1 (CBAxBL) bone marrow stromal cells.

**Product Application Details**

<b>Applications</b>	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Flow Cytometry 1:10-1:50, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500

**Publications**

Kaur S, Raggatt LJ, Millard SM et al. Self-repopulating recipient bone marrow resident macrophages promote long-term hematopoietic stem cell engraftment. *Blood* 2018-06-26 [PMID: 29945953] (IF/IHC, Mouse)





## 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

[novus@novusbio.com](mailto:novus@novusbio.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](mailto: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](mailto:info.EMEA@bio-techne.com)

## General Contact Information

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

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

Orders: [orders@novusbio.com](mailto:orders@novusbio.com)

General: [novus@novusbio.com](mailto: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/NB100-64931](http://www.novusbio.com/reviews/submit/NB100-64931)

Earn gift cards/discounts by submitting a publication using this product:

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

