

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.

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NB100-64931

ER-HR3 Antibody (ER-HR3) - 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-HR3
Preservative	0.09% Sodium Azide
Isotype	IgG2c
Purity	Protein G purified
Buffer	PBS (pH 7.4)

Product Description

Host	Rat
Species	Mouse
Specificity/Sensitivity	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 haematopoietic 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.
Immunogen	Adherent F1 (CBAXBL) bone marrow stromal cells.

Product Application Details

Applications	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	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)





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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.

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