

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Monocytes/Macrophages, Mouse, clone ER-HR3		
Catalog number	HM1088-20UG		
Lot number	-	Expiry date	-
Volume	200 µl	Amount	20 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	Concentration	100 µg/ml
Host Species	Rat IgG2c	Conjugate	None
Endotoxin	N.A.	Purification	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•	•		•				
No								
N.D.			•		•	•	•	•

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

General Information

Description	<p>The monoclonal antibody ER-HR3 is reactive to the majority of mouse monocytes and a subset of mature resident macrophages, especially those located in hemopoietic organs. Whereas all other leukocytes are ER-HR3 negative, up to 70% of circulating monocytes stain positive with this monoclonal antibody. Furthermore, about 30% of bone marrow cells express the antigen. Other ER-HR3 positive macrophages can be found in the splenic red pulp, in the mesenteric lymphoid paracortex, interfollicular areas of Peyer's patches and bone marrow. Few ER-HR3 positive cells are observed in the thymic cortex and the connective tissues of the gastro-intestinal tract, the dermis and the renal medulla. Epidermal Langerhans cells also express the antigen.</p> <p>The monoclonal antibody ER-HR3 can be used to identify and localize a very distinct mature tissue macrophage subpopulation found in various mouse organs and its distribution pattern is unique compared to that from other macrophage-specific antibodies. The antibody is especially suitable for ontogenic studies because ER-HR3 positive macrophages are closely related to hemopoietic islands, especially at erythropoietic sites. The antibody is especially suitable for ontogenic studies because ER-HR3 positive macrophages are closely related to hemopoietic islands, especially at erythropoietic sites.</p>
References	<ol style="list-style-type: none"> de Jong, J et al; A monoclonal antibody (ER-HR3) against murine macrophages. I. Ontogeny, distribution and enzyme histochemical characterization of ER-HR3-positive cells. Cell Tissue Res 1994, 275: 567 de Jong, J et al; A monoclonal antibody (ER-HR3) against murine macrophages. II. Biochemical and functional aspects of the ER-HR3 antigen. Cell Tissue Res 1994, 275: 577
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
11/11/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.