

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	Mature Macrophages, Human, clone 25F9		
<b>Catalog number</b>	HM2158-20UG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	200 µl	<b>Amount</b>	20 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	<b>Concentration</b>	100 µg/ml
<b>Host Species</b>	Mouse IgG1	<b>Conjugate</b>	None
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Protein G
<b>Storage</b>	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 1:10.

**General Information**

**Description** The monoclonal antibody 25F9 recognises a protein of 86 kD on the cell surface and within the cytoplasm of mature macrophages. The antibody is associated with fully differentiated tissue macrophages both in normal and in diseased tissues, independently of the presence or absence of inflammation. The antigen is absent on freshly isolated monocytes and other blood cells. After 6 to 7 days culture human monocytes become positive. Some melanoma and carcinoma cell lines are also positive. Furthermore the monoclonal antibody 25F9 cross reacts with a subpopulation of macrophages of rhesus monkey, pig alveolar macrophages and Kupffer cells. The monoclonal antibody 25F9 is very useful for macrophage phenotyping.

- References**
- Rosseau, S et al; Phenotypic characterization of alveolar monocyte recruitment in acute respiratory distress syndrome. *Am J Physiol Lung Cell Mol Physiol* 2000, 279: L25
  - Zwadlo, G et al; A monoclonal antibody to a differentiation antigen present on human macrophages and absent from monocytes. *J Immunol* 1985, 134: 1487
  - Kiefer, R et al; Macrophage differentiation antigens in acute and chronic autoimmune polyneuropathies. *Brain* 1998, 121: 469
  - Zwadlo, G et al; A monoclonal antibody to a novel differentiation antigen on human macrophages associated with the down-regulatory phase of the inflammatory process. *Exp Cell Biol* 1987, 55: 295

**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  
18/11/2020

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).