CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Mature Macrophages, Human, clone 25F9, FITC conjugated		
Catalog number	HM2158F-20UG		
Lot number	-	**Expiry date**	-
Volume	200 µl	**Amount**	20 µg
Formulation	0.2 µm filtered in PBS+1%BSA+0.02%NaN3	**Concentration**	100 µg/ml
Host Species	Mouse IgG1	**Conjugate**	FITC
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

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

1. 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
2. Zwadlo, G et al; A monoclonal antibody to a differentiation antigen present on human macrophages and absent from monocytes. J Immunol 1985, *134*: 1487
3. Kiefer, R et al; Macrophage differentiation antigens in acute and chronic autoimmune polyneuropathies. Brain 1998, *121*: 469
4. 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.