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Certificate of Analysis and Data Sheet

Mouse Anti Human CD68

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00846

Target Species
Human

Isotype
IgG2a

Synonyms

Macrosialin

Preparation

Immunogen: Fusion protein corresponding to external domain of human CD68

Fusion Partners: Spleen cells from immunized mice were fused with cells of the mouse p3-NS1-Ag4-1 myeloma cell line

Specificity

DS-MB-00846 recognizes the human CD68 cell surface antigen, a 110kD glycoprotein primarily expressed by macrophages and monocytes.

Immunohistology: This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. 1mM EDTA pH8.0 is recommended for this purpose.

Histology Positive Control: Tonsil

Formulation

Product Type: Monoclonal Antibody

Product Form: Tissue Culture Supernatant - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative Stabilizers: 0.09% Sodium Azide

Storage

Store at +4°C or at -20°C if preferred. This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.



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Applications

Table Summary of antibody applications and working conditions

| Options Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|-----------------------------------|------------|-----------|-----------------------|---|
| ELISA | | | . | |
| Western Blotting | | | . | |
| Immunohistology - frozen | . | | | |
| Immunohistology – paraffin (1) | . | | | 1/40 - 1/80 |
| Immunohistology - resin | | | . | |
| Immunoprecipitation | | | . | |
| Flow Cytometry | | | . | |
| Immunofluorescence staining | | | . | |
| Neutralization | | | . | |

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.
(1) Special conditions apply. See Immunohistology above

Secondary Antibody Applications

| Options Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|--------------------------------------|------------|-----------|-----------------------|---|
| Immunoassay (ELISA, Western blot) | . | | | 1:5000-1:10000 |

References

1. Hameed, A. *et al.* (1994) Immunohistochemical expression of CD68 antigen in human peripheral blood T cells Hum. Pathol. 25: 872-876.

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