



# Anti-CD46 monoclonal antibody, clone MEM-258 [R-PE] (CABT-46245MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Mouse anti Human CD46 antibody, clone MEM-258 recognizes the human CD46 cell surface antigen, a broadly expressed glycoprotein also known as membrane co-factor protein (MCP). CD46 functions as an inhibitor of complement activation limiting the formation and activity of C3 convertases. CD46 is expressed by all nucleated cells, often as multiple isoforms on the same cells. The molecule is also expressed by sperm and may be important in the process of fertilisation. Flow Cytometry Use 10ul of the suggested working dilution to label 106 or 100ul whole blood.

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| <b>Specificity</b>        | CD46                                                                                  |
| <b>Immunogen</b>          | HPB-ALL cell line                                                                     |
| <b>Isotype</b>            | IgG1                                                                                  |
| <b>Source/Host</b>        | Mouse                                                                                 |
| <b>Species Reactivity</b> | Human                                                                                 |
| <b>Clone</b>              | MEM-258                                                                               |
| <b>Conjugate</b>          | PE                                                                                    |
| <b>Applications</b>       | FC                                                                                    |
| <b>Format</b>             | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised                       |
| <b>Size</b>               | 100 tests                                                                             |
| <b>Preservative</b>       | 0.09% Sodium Azide                                                                    |
| <b>Storage</b>            | Store at +4°C. DO NOT FREEZE This product should be stored undiluted. This product is |

photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

|                     |                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | <a href="#">CD46 CD46 molecule, complement regulatory protein [ Homo sapiens (human) ]</a>                                                                                                                                                                     |
| Official Symbol     | CD46                                                                                                                                                                                                                                                           |
| Synonyms            | CD46; CD46 molecule, complement regulatory protein; MCP; TLX; AHUS2; MIC10; TRA2.10; membrane cofactor protein; measles virus receptor; complement membrane cofactor protein; trophoblast leucocyte common antigen; trophoblast leukocyte common antigen; CD46 |
| Entrez Gene ID      | <a href="#">4179</a>                                                                                                                                                                                                                                           |
| Protein Refseq      | <a href="#">NP_002380</a>                                                                                                                                                                                                                                      |
| UniProt ID          | P15529                                                                                                                                                                                                                                                         |
| Chromosome Location | 1q32                                                                                                                                                                                                                                                           |
| Pathway             | Complement and Coagulation Cascades; Complement and coagulation cascades; Complement cascade; Immune System; Innate Immune System; Measles; Regulation of Complement cascade;                                                                                  |
| Function            | cadherin binding; complement binding; endopeptidase activity; enzyme inhibitor activity; protein binding; receptor activity;                                                                                                                                   |