

Product datasheet for **CL129R**

MHC Class I (RT1Ac) Mouse Monoclonal Antibody [Clone ID: OX-27]

Product data:

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|------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OX-27 |
| Applications: | FC |
| Recommended Dilution: | Flow cytometry: use 10 µl of neat antibody to label 10e6 cells in 100 µl. |
| Reactivity: | Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | PHA activated rat lymphocytes |
| Specificity: | This antibody recognises a polymorphic determinant (c haplotype) of rat Class I MHC Antigen (RT-1A). |
| Formulation: | PBS containing 1% BSA and 0.09% sodium azide Label: PE State: Lyophilized purified IgG fraction Label: R. Phycoerythrin (RPE) |
| Reconstitution Method: | Restore with 1 ml distilled water. |
| Purification: | Protein G chromatography |
| Conjugation: | PE |
| Storage: | Prior to and following reconstitution store (undiluted) at 2-8°C. DO NOT FREEZE. This product is photosensitive and should be protected from light. |
| Stability: | Shelf life: one year from despatch. |
| Database Link: | Q31255 |



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Background:

MHC Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. MHC class I antigens are heterodimers consisting of one alpha chain (44kDa) with beta 2 microglobulin (11.5 kDa). The antigen is expressed by all somatic cells at varying levels. MHC Class I molecules are expressed on most nucleated cells where they present endogenously synthesized antigenic peptides to CD8+ T lymphocytes, which are usually cytotoxic T cells. Fibroblasts or neurons however only show a low level of antigen.

Synonyms:

RT1-A3