

## Product Datasheet

### Anti-cytochrome c [3.7C4] (orb758902)

|                             |                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>       | orb758902                                                                                                                                                     |
| <b>Category</b>             | Antibodies                                                                                                                                                    |
| <b>Description</b>          | Mouse monoclonal antibody to Cytochrome C                                                                                                                     |
| <b>Target</b>               | cytochrome c                                                                                                                                                  |
| <b>Clonality</b>            | Monoclonal                                                                                                                                                    |
| <b>Species/Host</b>         | Mouse                                                                                                                                                         |
| <b>Isotype</b>              | IgG1                                                                                                                                                          |
| <b>Conjugation</b>          | Unconjugated                                                                                                                                                  |
| <b>Reactivity</b>           | Mouse                                                                                                                                                         |
| <b>Concentration</b>        | 1 mg/ml                                                                                                                                                       |
| <b>Buffer/Preservatives</b> | PBS with 0.02% Proclin 300.                                                                                                                                   |
| <b>Purity</b>               | Purified                                                                                                                                                      |
| <b>Immunogen</b>            | This antibody was raised by immunising OVA-primed mice with cytochrome c-OVA.                                                                                 |
| <b>UniProt ID</b>           | <b>P00397</b>                                                                                                                                                 |
| <b>Tested applications</b>  | ELISA                                                                                                                                                         |
| <b>Specificity</b>          | This antibody recognises mouse cytochrome c (CYT) which is a part of the respiratory chain responsible for the catalysis of the reduction of oxygen to water. |

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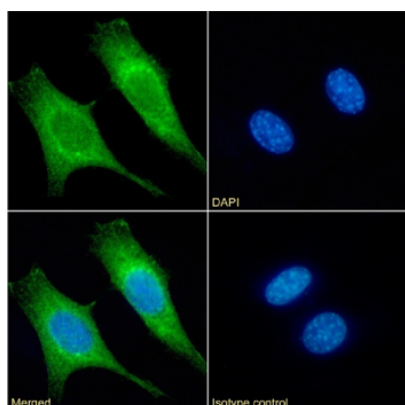
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|                        |                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clone Number</b>    | 3.7C4                                                                                                                                   |
| <b>Storage</b>         | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Note</b>            | For research use only                                                                                                                   |
| <b>Expiration Date</b> | 12 months from date of receipt.                                                                                                         |



Immunofluorescence staining of fixed NIH3T3 cells with anti-cytochrome c antibody 3.7C4. Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 3.7C4 (orb758903) at 10 µg/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb758903, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256449) followed by staining with Alexa Fluor® 488 secondary antibody.

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