

## Product datasheet

# Anti-HLA Class 1 A23, A24 antibody [4i94] ab33807

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-HLA Class 1 A23, A24 antibody [4i94]  |
| <b>Description</b>         | Mouse monoclonal [4i94] to HLA Class 1 A23, A24  |
| <b>Host species</b>        | Mouse  |
| <b>Specificity</b>         | This antibody reacts to HLA Class 1 A23, A24. Specificity was determined at a 1/10 dilution by the microcytotoxicity test under standard NIH conditions. |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt, ICC/IF, Microcytotoxicity testing, Functional Studies   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human  |
| <b>Immunogen</b>           | HLA Class 1 Antigen A23, A24.  |

### Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Preservative: None<br>Constituents: Ascites  |
| <b>Purity</b>               | Ascites  |
| <b>Clonality</b>            | Monoclonal   |
| <b>Clone number</b>         | 4i94   |
| <b>Isotype</b>              | IgG2b  |

### Applications

Our [Abpromise guarantee](#) covers the use of **ab33807** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|-------|
|-------------|-----------|-------|

| Application               | Abreviews | Notes  |
|---------------------------|-----------|--|
| Flow Cyt                  |           | Use at an assay dependent concentration.<br><a href="#">ab170192</a> - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody. |
| ICC/IF                    |           | Use at an assay dependent concentration.   |
| Microcytotoxicity testing |           | 1/10.  |
| Functional Studies        |           | Use at an assay dependent concentration. Cell Typing and Chimerism Studies.  |

## Target

### Relevance

HLA A belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta 2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa.

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