Datasheet: MCA1086PE

**Description:** MOUSE ANTI HORSE MHC CLASS I MONOMORPHIC:RPE

**Specificity:** MHC CLASS I MONOMORPHIC

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** CVS22

**Isotype:** IgG2a

**Quantity:** 100 TESTS

### Applications
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
<td></td>
<td></td>
<td>Neat</td>
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</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species**
Horse

**Product Form**
Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

**Reconstitution**
Reconstitute with 1.0 ml distilled water

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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**Preparation**
Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.

**Buffer Solution**
Phosphate buffered saline

**Preservative Stabilisers**
0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin
5% Sucrose

**Immunogen**
Equine leucocytes.

**Fusion Partners**
Spleen cells from immunised mice were fused with cells of the X63.Ag 8.653 mouse myeloma cell line.

**Specificity**
Mouse anti Horse MHC Class I Monomorphic antibody, clone CVS22 recognizes monomorphic equine MHC Class I and was classified at the International Equine Leucocyte Antigen Workshop.
MHC class I is expressed by all nucleated cells.

The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In horses, this complex is referred to as the equine leukocyte antigen (ELA) region.

### Flow Cytometry

Use 10μl of the suggested working dilution to label 10⁶ cells in 100μl.

### References


### Storage

Prior to reconstitution store at +4°C.
After reconstitution store at +4°C.
DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.

### Guarantee

12 months from date of reconstitution.

### Health And Safety Information

Material Safety Datasheet documentation #10075 available at:

### Regulatory

For research purposes only

### Related Products

**Recommended Useful Reagents**

**MOUSE ANTI HORSE MHC CLASS II MONOMORPHIC (MCA1085GA)**

**MOUSE ANTI HORSE MHC CLASS II MONOMORPHIC:FITC (MCA1085F)**

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