## Datasheet: MCA1085F

BATCH NUMBER 148462

| Description: | MOUSE ANTI HORSE MHC CLASS II MONOMORPHIC:FITC |
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| Specificity: | MHC CLASS II MONOMORPHIC |
| Format: | FITC |
| Product Type: | Monoclonal Antibody |
| Clone: | CVS20 |
| Isotype: | IgG1 |
| Quantity: | 0.1 mg |

## Product Details

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.

|  | Yes | No | Not Determined | Suggested Dilution |
| :--- | :---: | :---: | :---: | :---: |
| Flow Cytometry | - |  |  | Neat $-1 / 10$ |

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 |
| :--- | :--- |
| Species Cross <br> Reactivity | Reacts with: Human, Bovine, Dog <br> N.B. Antibody reactivity and working conditions may vary between species. Cross <br> reactivity is derived from testing within our laboratories, peer-reviewed publications or <br> personal communications from the originators. Please refer to references indicated for <br> further information. |
| Product Form | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid |
| Max Ex/Em | Fluorophore |
| FITC | Excitation Max (nm) Emission Max (nm) |


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19. Dos Santos, V.H. et al. (2019) Evaluation of alginate hydrogel encapsulated mesenchymal stem cell migration in horses. Res Vet Sci. 124: 38-45.
20. Barberini, D.J. et al. (2018) Safety and tracking of intrathecal allogeneic mesenchymal stem cell transplantation in healthy and diseased horses. Stem Cell Res Ther. 9 (1): 96. 21. Witonsky, S. et al. (2019) Can levamisole upregulate the equine cell-mediated macrophage (M1) dendritic cell (DC1) T-helper 1 (CD4 Th1) T-cytotoxic (CD8) immune response in vitro.? J Vet Intern Med. 33 (2): 889-96.
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23. Lucassen, A. et al. (2021) A Saccharomyces cerevisiae Fermentation Product (Olimond BB) Alters the Early Response after Influenza Vaccination in Racehorses. Animals (Basel). 18;11(9):2726.

Further Reading 1. Burk, J. et al. (2013) Equine cellular therapy-from stall to bench to bedside? Cytometry A. 83: 103-13

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at $-20^{\circ} \mathrm{C}$ on receipt. When thawed, aliquot the sample as needed. Keep aliquots at $2-8^{\circ} \mathrm{C}$ for short term use (up to 4 weeks) and store the remaining aliquots at $-20^{\circ} \mathrm{C}$.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

| Guarantee | 12 months from date of despatch |
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| Health And Safety <br> Information | Material Safety Datasheet documentation \#10041 available at: <br> $\underline{\text { https://www.bio-rad-antibodies.com/SDS/MCA1085F }}$ |
| Regulatory | For research purposes only |


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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M385079:210513'

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