

Datasheet: MCA87SBY605

BATCH NUMBER 100007411

| Description: | MOUSE ANTI HUMAN CD45:StarBright Yellow 605 |
|---------------|---|
| Specificity: | CD45 |
| Other names: | LCA |
| Format: | StarBright Yellow 605 |
| Product Type: | Monoclonal Antibody |
| Clone: | F10-89-4 |
| Isotype: | IgG2a |
| Quantity: | 100 TESTS/0.5ml |
| | |

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 |

Where this product 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 product for use in their own system using appropriate negative/positive controls.

| Target Species | Human | | |
|-----------------|-----------------------------------|-------------------------|----------------------|
| Product Form | Purified IgG conjugate | ed to StarBright Yellow | v 605 - liquid |
| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
| | StarBright Yellow 605 | 572 | 606 |
| Preparation | Purified IgG prepared supernatant | by affinity chromatog | raphy on Protein A f |
| Buffer Solution | Phosphate buffered sa | aline | |
| Preservative | 0.09% Sodium Azide | (NaN ₃) | |
| Stabilisers | 1% Bovine Serum Alb | oumin | |
| | 0.1% Pluronic F68 | | |
| | 0.1% PEG 3350 | | |

| Immunoger | 1 |
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Human T lymphocytes.

External Database Links

UniProt:

P08575 Related reagents

Entrez Gene:

5788 PTPRC Related reagents

Synonyms

CD45

Fusion Partners

Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.

Specificity

Mouse anti Human CD45 antibody, clone F10-89-4 recognizes the human CD45 cell surface antigen, also known as leucocyte common antigen (LCA). CD45 is a complex molecule existing in a number of isoforms.

Antibodies recognizing a common epitope on all of these isoforms are termed CD45 whilst those recognizing only individual isoforms are termed CD45RA or CD45RO etc.

Mouse anti Human CD45 antibody, clone F10-89-4 reacts with all forms of CD45 expressed by all haematopoietic cells, except erythrocytes, having a higher level of expression on lymphocytes than on granulocytes. It is routinely tested in flow cytometry on human peripheral blood leucocytes.

Mouse anti Human CD45 antibody, clone F10-89-4, has been validated for use on the Genesis Cell Isolation System with the CelSelect SlideTM technology.

Flow Cytometry

Use 5ul of the suggested working dilution to label 10⁶ cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

References

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- 14. Gomiero, C. *et al.* (2016) Tenogenic induction of equine mesenchymal stem cells by means of growth factors and low-level laser technology. Vet Res Commun. 40 (1): 39-48.
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| Storage | Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. |
|----------------------------------|--|
| Guarantee | 12 months from date of despatch |
| Acknowledgements | This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts |
| Health And Safety Information | Material Safety Datasheet documentation #20471 available at: https://www.bio-rad-antibodies.com/SDS/MCA87SBY605 20471 |
| Regulatory | For research purposes only |

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Worldwide

Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Europe

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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 'M415855:230116'

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