# Datasheet: MCA2515SBUV700

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|---|---|
| **Description:** | MOUSE ANTI HUMAN CD85j:StarBright UltraViolet 700 |
| **Specificity:** | CD85j |
| **Other names:** | LILRB1 |
| **Format:** | StarBright UltraViolet 700 |
| **Product Type:** | Monoclonal Antibody |
| **Clone:** | 4F9 |
| **Isotype:** | IgG1 |
| **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 conjugated to StarBright UltraViolet 700 - liquid

**Max Ex/Em**

| Fluorophore | Excitation Max (nm) | Emission Max (nm) |
|---|---|---|
| StarBright UltraViolet 700 | 340 | 700 |

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide ($NaN_3$)
1% Bovine Serum Albumin
0.1% Pluronic F68
0.1% PEG 3350

| | |
|---|---|
| | 0.05% Tween 20 |
| **Approx. Protein Concentrations** | For information on the concentration of our StarBright Dye conjugated reagents please visit our FAQ page. |
| **Immunogen** | Monocyte derived dendritic cells. |
| **External Database Links** | **UniProt:**<br>Q8NHL6 Related reagents<br><br>**Entrez Gene:**<br>10859 LILRB1 Related reagents |
| **Synonyms** | ILT2, LIR1, MIR7 |
| **Fusion Partners** | Spleen cells from immunised Balb/c mice were fused with cells of the mouse X63-Ag8.653 myeloma cell line. |
| **Specificity** | **Mouse anti Human CD85j antibody, clone 4F9** recognizes CD85j, a member of the leukocyte immunoglobulin-like receptor (LIR) family.<br><br>CD85j is a receptor for MHC Class I molecules and ligand binding results in inhibitory signals and down-regulation of the immune response.<br><br>CD85j is expressed predominantly on B-cells and monocytes, and at lower levels on dendritic cells, T-cells and natural killer (NK) cells. |
| **Flow Cytometry** | Use 5µl of the suggested working dilution to label $0.5x10^6$ cells in 100µl. Best practices suggest a 5 min centrifugation at 6,000g prior to sample application. |
| **Further Reading** | 1. Colonna, M. *et al.* (1999) A novel family of Ig-like receptors for HLA class I molecules that modulate function of lymphoid and myeloid cells. J Leukoc Biol. 66 (3): 375-81.<br>2. Borges, L. *et al.* (1997) A family of human lymphoid and myeloid Ig-like receptors, some of which bind to MHC class I molecules. J Immunol. 159 (11): 5192-6. |
| **Storage** | Store at +4°C. DO NOT FREEZE.<br>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:<br>https://www.bio-rad-antibodies.com/SDS/MCA2515SBUV700 |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

**Product inquiries: www.bio-rad-antibodies.com/technical-support**

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

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