

Datasheet: MCA2242F

| Description: | MOUSE ANTI HUMAN CD305:FITC |
|--------------------|-----------------------------|
| Specificity: | CD305 |
| Other names: | LAIR-1 |
| Format: | FITC |
| Product Type: | Monoclonal Antibody |
| | |
| Clone: | NKTA255 |
| Clone: Isotype: | NKTA255 lgG1 |

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.bjo- | | | | | |
|-----------------------------------|---|----------------|----------|------------------|--------------------|--|
| | rad-antibodies.com/pro | otocols. | | , I | | |
| | | 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 give 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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid | | | | | |
| Max Ex/Em | Fluorophore | Excitation Max | x (nm) E | mission Max (nm) | | |
| | FITC | 490 | | 525 | | |
| 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 (NaN ₃) 1% bovine serum albumin | | | | | |
| Approx. Protein Concentrations | IgG concentration 0.1 mg/ml | | | | | |

| External Database | | |
|-------------------|---|--|
| Links | Q6GTX8 Related reagents | |
| | Entrez Gene: | |
| | <u>3903</u> LAIR1 <u>Related reagents</u> | |
| Synonyms | CD305 | |
| RRID | AB_323554 | |
| Fusion Partners | Spleen cells from immunized mice were fused with cells of the P | 3U1 myeloma cell line |
| Specificity | Mouse anti Human CD305 antibody, clone NKTA255 recognize associated Ig-like receptor-1 (LAIR-1), a ~40 kDa cell surface mo an inhibitory receptor on natural killer cells, monocytes and T cell known as CD305, is also expressed by other hematopoietic cells not expressed by non-haematopoietic, platelets or erythrocytes. | es human leukocyte- blecule that functions as ls. LAIR-1, otherwise including B cells, but is |
| | Mouse anti Human CD305 antibody, clone NKTA255 is reported triggering via CD16 molecules (<u>Poggi <i>et al.</i> 1995</u>). | to inhibit NK cell |
| Flow Cytometry | Use 10μ I of the suggested working dilution to label 10^6 cells in 10^6 | 00µI |
| References | Poggi, A. <i>et al.</i> (1997) p40 molecule regulates NK cell activation receptors for HLA class I antigens and TCR-mediated triggering of <u>Immunol. 9 (9): 1271-9.</u> Poggi, A. <i>et al.</i> (2000) Engagement of the leukocyte-associate induces programmed cell death and prevents NF-kappaB nuclea | on mediated by NK of T lymphocytes. <u>Int</u> d lg-like receptor-1 r translocation in human |
| | myeloid leukemias. <u>Eur J Immunol. 30 (10): 2751-8.</u> 3. Zocchi, M.R. <i>et al.</i> (2001) Leukocyte-associated Ig-like receptor monocyte colony stimulating factor-dependent proliferation and A in primary acute myeloid leukemia cells. <u>Eur J Immunol. 31 (12):</u> 4. Poggi, A. <i>et al.</i> (2008) Lack of the leukocyte-associated Ig-like high-risk chronic lymphocytic leukaemia results in the absence or regulating kinase activation and cell division. <u>Leukemia. 22 (5): 9</u> | or-1 prevents granulocyte- kt1/PKB alpha activation <u>3667-75.</u> receptor-1 expression in f a negative signal <u>80-8.</u> |
| Further Reading | 1. Meyaard, L. (2008) The inhibitory collagen receptor LAIR-1 (C (<u>4): 799-803.</u> | D305). <u>J Leukoc Biol. 83</u> |
| Storage | This product is shipped at ambient temperature. It is recommend -20°C on receipt. When thawed, aliquot the sample as needed. K short term use (up to 4 weeks) and store the remaining aliquots a | ed to aliquot and store at Keep aliquots at 2-8°C for at -20°C. |
| | Avoid repeated freezing and thawing as this may denature the ar frost-free freezers is not recommended. This product is photosen | ntibody. Storage in sitive and should be |

| | protected from light. |
|----------------------------------|--|
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2242F 10041 |
| Regulatory | For research purposes only |

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL: FITC (MCA928F)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

| North & South | Tel: +1 800 265 7376 | Worldwide | Tel: +44 (0)1865 852 700 | Europe | Tel: +49 (0) 89 8090 95 21 |
|---------------|-----------------------------------|-----------|----------------------------------|--------|--------------------------------------|
| America | Fax: +1 919 878 3751 | | Fax: +44 (0)1865 852 739 | | Fax: +49 (0) 89 8090 95 50 |
| | Email: antibody_sales_us@bio-rad. | .com | Email: antibody_sales_uk@bio-rad | .com | Email: antibody_sales_de@bio-rad.com |

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M413487:221123'

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