

Datasheet: MCA6132F

BATCH NUMBER 158757

| | |
|----------------------|-----------------------------|
| Description: | MOUSE ANTI HUMAN CD274:FITC |
| Specificity: | CD274 |
| Other names: | PD-L1 |
| Format: | FITC |
| Product Type: | Monoclonal Antibody |
| Clone: | 29E.2A3 |
| Isotype: | IgG2b |
| Quantity: | 100 TESTS/400µl |

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

Species Cross Reactivity

Reacts with: Primate

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission 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 | <0.1% Sodium Azide (NaN ₃) |
| Stabilisers | 0.2% Bovine Serum Albumin |
| Immunogen | Full length human CD274 |
| External Database Links | <p>UniProt: Q9NZQ7 Related reagents</p> <p>Entrez Gene: 29126 CD274 Related reagents</p> |
| Synonyms | B7H1, PDCD1L1, PDCD1LG1, PDL1 |
| Specificity | <p>Mouse anti Human CD274 antibody, clone 29E.2A3 detects human CD274, also known as B7-H1 and PD-1L, a cell surface glycoprotein which is a member of the B7 family of co-stimulatory molecules. CD274 is expressed constitutively on macrophages and dendritic cells, and is induced on activated T cells, B cells, endothelial cells and epithelial cells in response to interferons alpha, beta and gamma.</p> <p>CD274 is reported to possess dual functions; inhibition of activated effector T cells and co-stimulation of naïve T cells. CD274 inhibits proliferation of activated T cells via ligation to the co-inhibitory molecule CD279 (programmed death-1; PD-1) leading to the secretion of the regulatory cytokine interleukin-10. CD274 has also been shown to co-stimulate early T cell priming and differentiation.</p> <p>Deregulated CD274 function has been reported in chronic viral and intracellular bacterial infection, as well as in many autoimmune diseases and cancers.</p> |
| Purity | >95% by SDS PAGE |
| Flow Cytometry | Use 4ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul |
| Storage | <p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6132F 10041</p> |
| Regulatory | For research purposes only |

Related Products

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL:FITC (MCA691F)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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
'M353608:190509'

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