

## Product Datasheet

# Recombinant CD4 (T-Helper/Inducer Cell Marker) Antibody (orb751330)

|                            |                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | Rabbit monoclonal antibody to CD4                                                                                                                                                      |
| <b>Species/Host</b>        | Rabbit                                                                                                                                                                                 |
| <b>Reactivity</b>          | Human                                                                                                                                                                                  |
| <b>Conjugation</b>         | Unconjugated                                                                                                                                                                           |
| <b>Tested Applications</b> | IHC, WB                                                                                                                                                                                |
| <b>Immunogen</b>           | Recombinant fragment (around aa 216-396) of human CD4 protein (exact sequence is proprietary)                                                                                          |
| <b>Target</b>              | CD4                                                                                                                                                                                    |
| <b>Preservatives</b>       | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.       |
| <b>Form/Appearance</b>     | 200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml. |
| <b>Concentration</b>       | 200 µg/ml                                                                                                                                                                              |
| <b>Storage</b>             | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                                |
| <b>Note</b>                | For research use only                                                                                                                                                                  |
| <b>Application notes</b>   | Positive Control: Human peripheral blood mononuclear cells (PBMCs), CCRF-CEM or HL-60. Human lymph node or tonsil.                                                                     |
| <b>Isotype</b>             | IgG                                                                                                                                                                                    |

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|                        |                                                                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality</b>       | Monoclonal                                                                                                                                                                                                                                                                                                     |
| <b>Clone Number</b>    | CD4/3619R                                                                                                                                                                                                                                                                                                      |
| <b>Antibody Type</b>   | Recombinant Antibody                                                                                                                                                                                                                                                                                           |
| <b>MW</b>              | 55kDa                                                                                                                                                                                                                                                                                                          |
| <b>Uniprot ID</b>      | <b>P01730</b>                                                                                                                                                                                                                                                                                                  |
| <b>Entrez</b>          | <b>920</b>                                                                                                                                                                                                                                                                                                     |
| <b>Dilution Range</b>  | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. |
| <b>Expiration Date</b> | 12 months from date of receipt.                                                                                                                                                                                                                                                                                |

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