

## Product Datasheet

### CD70 Antibody orb606159

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| <b>Description</b>         | It recognizes a protein of 30kDa, identified as CD70. It is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T- and B-lymphocytes. It induces proliferation of co-stimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. |
| <b>Species/Host</b>        | Mouse  |
| <b>Reactivity</b>          | Human  |
| <b>Conjugation</b>         | Unconjugated   |
| <b>Tested Applications</b> | ELISA, FACS, IF, IHC-Fr, Functional Studies  |
| <b>Immunogen</b>           | Recombinant human protein was used as the immunogen for the CD70 antibody.   |
| <b>Preservatives</b>       | 0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide  |
| <b>Storage</b>             | Store the CD70 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).   |
| <b>Note</b>                | For research use only.   |
| <b>Isotype</b>             | Mouse IgG1, kappa  |
| <b>Clonality</b>           | Monoclonal   |
| <b>Purity</b>              | Protein G affinity chromatography  |
| <b>Formula</b>             | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide   |
| <b>Clone ID</b>            | TNFS7/1026   |
| <b>Uniprot ID</b>          | <b>P32970</b>  |
| <b>Dilution Range</b>      | ELISA (order BSA/sodium azide-free format for coating), Functional studies (order BSA/sodium azide-free format), Flow cytometry: 1-2ug/million cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (Frozen): 0.5-1ug/ml for 30 min at RT   |
| <b>Expiration Date</b>     | 12 months from date of receipt.  |
| <b>Application Notes</b>   | The concentration stated for each application is a general starting point. Optimal dilution of the CD70 antibody should be determined by the researcher.   |