

## ARG41607 anti-CD154 / CD40L antibody [24-31] (RPE)

Package: 50 tests

Store at: 4°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | RPE-conjugated Mouse Monoclonal antibody [24-31] recognizes CD154 / CD40L  |
| Tested Reactivity   | Hu, NHuPrm   |
| Tested Application  | FACS   |
| Host                | Mouse  |
| Clonality           | Monoclonal   |
| Clone               | 24-31  |
| Isotype             | IgG1   |
| Target Name         | CD154 / CD40L  |
| Species             | Human  |
| Immunogen           | Human CD154 fusion protein.  |
| Conjugation         | RPE  |
| Alternate Names     | TNFSF5; IMD3; T-cell antigen Gp39; HIGM1; CD40-L; gp39; CD40 ligand; Tumor necrosis factor ligand superfamily member 5; CD40L; CD154; TRAP; CD antigen CD154; hCD40L; IGM; T-BAM; TNF-related activation protein |

### Application Instructions

|                   |  |                 |
|-------------------|--|-----------------|
| Application table | Application  | Dilution        |
|                   | FACS   | Assay-dependent |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purified   |
| Buffer              | PBS and 15 mM Sodium azide.  |
| Preservative        | 15 mM Sodium azide   |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

### Bioinformation

|                       |  |
|-----------------------|--|
| Gene Symbol           | CD40LG   |
| Gene Full Name        | CD40 ligand  |
| Background            | The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome. [provided by RefSeq, Jul 2008]   |
| Function              | Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4. Involved in immunoglobulin class switching.<br><br>Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway. [UniProt] |
| Calculated Mw         | 29 kDa   |
| PTM                   | The soluble form derives from the membrane form by proteolytic processing.<br><br>N-linked glycan is a mixture of high mannose and complex type. Glycan structure does not influence binding affinity to CD40.<br><br>Not O-glycosylated. [UniProt]  |
| Cellular Localization | Cell membrane; Single-pass type II membrane protein. Cell surface. CD40 ligand, soluble form: Secreted. [UniProt]  |