

# Recombinant Rat Cd40lg Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** Cd40lg-545RAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 647 conjugated recombinant Rat Cd40lg (NP_445805) (Gly115-Leu260), fused with the Fc region of human IgG1 at the N-terminus, was produced in Human Cells.                                                                      |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 406                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | The recombinant rat CD40LG comprises 406 amino acids and predicts a molecular mass of 44.4 kDa. The apparent molecular mass of the recombinant protein is approximately 53 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                               |
| <b>Purity</b>           | > 80 % as determined by SDS-PAGE                                                                                                                                                                                                           |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                                                                          |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b>   | Lyophilized from sterile PBS, pH7.4.                                                                                                                                      |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>      | Alexa Fluor 647                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | Cd40lg CD40 ligand [ Rattus norvegicus ]                                                                                                                                  |
| <b>Official Symbol</b>  | Cd40lg                                                                                                                                                                    |
| <b>Gene ID</b>          | 84349                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_053353                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_445805                                                                                                                                                                 |

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