

# Recombinant Rat Cd38 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** Cd38-8742RAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 555 conjugated recombinant Rat Cd38 (Q64244) (Trp45-Val303), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cell.                                                                                                        |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 500                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | The recombinant rat CD38 /Fc is a disulfide-linked homodimer. The reduced monomer comprises 500 amino acids and has a predicted molecular mass of 56.7 kDa. The apparent molecular mass of the protein is approximately 67 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                          |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 a 0.2 µm filtered solution of PBS, pH 7.4                                                                                                                |
| <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 555                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | Cd38 CD38 molecule [ <a href="#">Rattus norvegicus</a> ]                                                                                                                  |
| <b>Official Symbol</b>  | <a href="#">Cd38</a>                                                                                                                                                      |
| <b>Gene ID</b>          | <a href="#">25668</a>                                                                                                                                                     |
| <b>mRNA Refseq</b>      | <a href="#">NM_013127</a>                                                                                                                                                 |
| <b>Protein Refseq</b>   | <a href="#">NP_037259</a>                                                                                                                                                 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA