

# Active Recombinant Monkey CD27 Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** CD27-493RAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant Rhesus CD27(Met1-Ile192) fused with Fc region of human IgG1 at C-terminal was expressed in HEK293.            |
| <b>Species</b>                      | Monkey                                                                                                                                               |
| <b>Source</b>                       | HEK293                                                                                                                                               |
| <b>ProteinLength</b>                | Met1-Ile192, 413                                                                                                                                     |
| <b>Description</b>                  | CD27 played an important role in many functions.                                                                                                     |
| <b>Form</b>                         | Lyophilized                                                                                                                                          |
| <b>Bio-activity</b>                 | Immobilized Rhesus CD27-Fc at 10 µg/mL (100 µL/well) can bind biotinylated human CD70-Fc, The EC50 of biotinylated human CD70-Fc is 10.9-25.3 ng/mL. |
| <b>Molecular Mass</b>               | 46.3 kDa                                                                                                                                             |
| <b>N-terminal Sequence Analysis</b> | Thr 21                                                                                                                                               |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                         |
| <b>Purity</b>                       | (87.6±8.4) % as determined by SDS-PAGE                                                                                                               |

 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>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                   |
| <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 -80 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, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.                                                 |
| <b>Shipping</b>       | Shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |
| <b>Conjugation</b>    | Alexa Fluor 488                                                                                                                                                             |

## GENE INFORMATION

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CD27 CD27 molecule [ <i>Macaca mulatta</i> ]                                  |
| <b>Official Symbol</b> | CD27                                                                          |
| <b>Synonyms</b>        | TNFRSF7; CD27L receptor; tumor necrosis factor receptor superfamily, member 7 |
| <b>Gene ID</b>         | 712693                                                                        |

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