

Recombinant Rat Tnfrsf18 Protein, hFc-tagged, FITC conjugated

Cat. No. Tnfrsf18-8735RF **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------------------|--|
| Product Overview | FITC conjugated recombinant Rat Tnfrsf18 (Gln20-Lys121) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293). |
| Species | Rat |
| Source | HEK293 |
| ProteinLength | Gln20-Lys121 |
| Description | Glucocorticoid-induced TNFR-related protein (GITR) is also known as Tumor necrosis factor receptor superfamily member 18 (TNFRSF18), activation-inducible TNFR family receptor (AITR), CD antigen CD357, which is a member of the tumor necrosis factor receptor (TNF-R) superfamily. GITR is receptor for TNFSF18, which seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. GITR also mediated NF-kappa-B activation via the TRAF2/NIK pathway. |
| Form | Lyophilized |
| Molecular Mass | The protein has a calculated MW of 37.2 kDa. The protein migrates as 45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| N-terminal Sequence Analysis | Gln 20 |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

| | |
|-----------------------|---|
| Endotoxin | < 1.0 EU/ µg by the LAL method. |
| Purity | > 95 % as determined by SDS-PAGE |
| Characteristic | <p>Disulfide-linked homodimer</p> <p>Labeled with FITC via amines</p> <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p> |
| Storage | <p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p> |
| Storage Buffer | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| Conjugation | FITC |

GENE INFORMATION

| | |
|------------------------|----------|
| Gene Name | Tnfrsf18 |
| Official Symbol | Tnfrsf18 |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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



| | |
|-----------------------|---|
| Synonyms | TNFRSF18; tumor necrosis factor receptor superfamily, member 18; tumor necrosis factor receptor superfamily member 18 |
| Gene ID | 500598 |
| mRNA Refseq | NM_001024349 |
| Protein Refseq | NP_001019520 |
| UniProt ID | F7FFS7 |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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