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# Recombinant Human TNFSF13/APRIL protein (rFc Tag)



Catalog Number: Eg3664

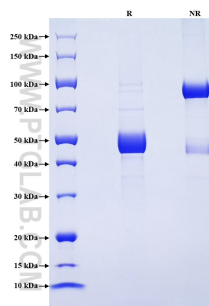
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/μg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human TNFSF13 protein Ala105-Leu250 (Accession# O75888-1) with a rabbit IgG Fc tag at the N-terminus.</p> <p><b>GeneID:</b> 8741</p> <p><b>Accession:</b> O75888-1</p> <p><b>Predicted Molecular Mass:</b> 43.5 kDa</p> <p><b>SDS-PAGE:</b> 44-55 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>TNFSF13, also known as A Proliferation-Inducing Ligand (APRIL), is a member of the tumor necrosis factor (TNF) superfamily that plays significant roles in immune homeostasis, cell proliferation, and apoptosis of certain tumor cell lines. TNFSF13 is secreted from myeloid cells and is best characterized for its effects on immune cells. It plays critical roles in T cell immunity, promoting the IL-17 response and inhibiting the Th2 response, which is important in the pathogenesis of autoimmune diseases. TNFSF13 interacts with two receptors: B cell maturation antigen (BCMA) and transmembrane activator and calcium modulator and cyclophilin ligand interactor (TACI). These interactions have been shown to regulate B cell activity and can induce tumor cell invasion and immunosuppression.</p>		
References	<ol style="list-style-type: none"><li>1. Hui-Yu Lin. et al. (2020). J Mol Med (Berl). 98(9):1255-1267.</li><li>2. Rui Chen. et al. (2021). Front Immunol. 12:713757.</li></ol>		
Synonyms	TNFSF13, A proliferation-inducing ligand, APRIL, CD256, TALL2		

For technical support and original validation data for this product please contact

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## Selected Validation Data



Purity of Recombinant Human TNFSF13 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.