

RPES8293

Product Information

Product SKU: RPES8293	Expression Host: Mammalian	Size: 20µg
Tag: C-Fc	Reactivity: Human	Accession: Q9BZW8-2

Additional Information

Calculated MW: 46.8 kDa	Observed MW: 60-80 kDa
Sequence: Cys22-Ala221	

Protein Information

Background: The CD244 antigen, also known as 2B4, is a cell surface glycoprotein implicated in the regulation of natural killer and T lymphocyte function. 2B4 is a member of the signaling lymphocyte activation molecule (SLAM)-related receptor family and is important for stimulating NK cell cytotoxicity and cytokine production, which is expressed on all NK cells, a subpopulation of T cells, monocytes and basophils. The 2B4 antigen identified on NK cells and T cells is capable of transmitting stimulatory signals and non-MHC-restricted killing. Reported as an activating receptor, human 2B4 can effectively activate and enhance NK cell-mediated cytotoxicity, induce secretion of IFN- γ and matrix metalloproteinases (MMPs), as well as NK cell invasiveness. As a cell surface glycoprotein of the Ig-superfamily structurally related to CD2-like molecules such as CD2, CD48, CD58, CD84, Ly-9, and SLAM, 2B4 (CD244) is expressed on all human NK cells, a subpopulation of T cells, basophils and monocytes. 2B4 activates NK cell mediated cytotoxicity, induces secretion of IFN-gamma and matrix metalloproteinases, and NK cell invasiveness.

Synonyms: 2B4, C9.1, CD244, CD244 antigen, CD244 molecule, CD244 molecule natural killer cell receptor 2B4, CD244 natural killer cell receptor 2B4, CD244_HUMAN, F730046O15Rik, h2B4, Ly90, NAIL, Natural killer cell activation-inducing ligand, Natural killer cell receptor 2B4, NK cell activation inducing ligand, NK cell activation inducing ligand

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

Copyright © 2024 Assay Genie Ltd, All Rights Reserved. All information / detail is correct at time of going to print.

NAIL, NK cell activation-inducing ligand, NK cell type I receptor protein 2B4, NKR2B4, Nmrk, Non-MHC restricted killing associated, OTTHUMP00000027884

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.