

Synonym

IL-15 R alpha,CD215,IL15RA,IL-15RA,IL-15R-alpha

Source

PE-Labeled Human IL-15 R alpha / CD215 Protein, Fc Tag (Cat. No.ILA-HP2F6) is produced via site-specific conjugation of PE to Human IL-15 R alpha / CD215 Protein, Fc Tag under optimal conditions with a proprietary technology.

PE-Labeled Human IL-15 R alpha, Fc Tag (ILA-HP2F6) is expressed from human 293 cells (HEK293). It contains AA Ile 31 - Thr 205 (Accession # Q13261-1).

Predicted N-terminus: Ile 31

Molecular Characterization

IL-15 R alpha(Ile 31 - Thr 205) Q13261-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus

The protein has a calculated MW of 46.6 kDa.

Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

Application

Please note that this product is NOT compatible to streptavidin detection system.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 0.5% BSA, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Background

IL15R is a heterotrimer of IL15RA, IL2RB and IL2RG. IL-15RA, also known as CD215, IL-15 R alpha, is a widely expressed 60 kDa transmembrane glycoprotein. High-affinity receptor for interleukin-15. Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells. Expression of different isoforms may alter or interfere with signal transduction. An interleukin (IL)-15 superagonist/IL-15 receptor α fusion complex (IL-15SA/IL-15RA; ALT-803) activates the IL-15 receptor on CD8 T cells and NK cells, and has shown significant anti-tumor. Signal transduction involves SYK. Higher levels of soluble sIL-15RA form in comparison with membrane-bound forms is present in all brain structures.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.