

This product is still under development. Please contact us if you have interest in this product. We will accelerate the development process accordingly and reserve this product for you as request.

Synonym

LAG3,CD223,FDC

Source

PE-Labeled Human LAG-3, His Tag (recommended for neutralizing assay) (Cat. No. LA3-HP2H3) is produced via conjugation of PE to Human LAG-3, His Tag under optimal conditions. Human LAG-3, His Tag is expressed from human 293 cells (HEK293) containing AA Leu 23 - Leu 450 (Accession # [P18627-1](#)).
Predicted N-terminus: Leu 23

Molecular Characterization

LAG-3(Leu 23 - Leu 450)
P18627-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 49.9 kDa.

Application

Flow Cytometry (Neutralizing assay)

Conjugate

PE

Excitation source: 488 nm spectral line, argon-ion laser

Excitation Wavelength: 488 nm

Emission Wavelength: 575 nm

Formulation

Lyophilized from 0.22 μm filtered solution in PBS with Arginine, pH7.4.
Normally trehalose is added as protectant before lyophilization.

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

Lymphocyte activation gene 3 protein (LAG3) is also known as CD antigen CD223 and protein FDC, which belongs to immunoglobulin (Ig) superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. LAG3 /CD223 involved in lymphocyte activation. LAG3 /CD223 binds to HLA class-II antigens.

References

- (1) [Triebel F., et al., 1990, J. Exp. Med. 171:1393-1405.](#)
- (2) [Baixeras E., et al., 1992, J. Exp. Med. 176:327-337.](#)

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