
Product Data Sheet

Product Name: Mupadolimab

Cat. No.: GC68344

Chemical Properties

Cas. No. 2451856-97-4

Formula M.Wt

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Mupadolimab (CPI-006) is an IgG1k humanized FcγR binding-deficient anti-**CD73** monoclonal antibody (mAb) that activates CD73^{POS} B cells^[1].

Mupadolimab induces the increased expression of markers associated with B cell maturation and antigen presentation, morphologic transformation to plasmablasts, and increased secretion of IgM and IgG^[1].

Mupadolimab (10 mg/kg; i.p.; daily for 15 days) stimulates antigen specific humoral immunity in SARS-CoV-2 infected NSG-SGM3 mice^[1].

Animal Model: NSG-SGM3 mice, immunized with an emulsion of 50 µg full length spike protein from SARS-CoV-2 and Freund's Incomplete Adjuvant subcutaneously on both the left and right flank (25 µg/side)^[1]

Dosage: 10 mg/kg

Administration: Intraperitoneal injection, daily for 15 days

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Result: Mice treated with the drug made antibodies to the immunizing TS protein; but not to the control nucleocapsid SARS-CoV-2 viral protein.

[1]. Miller R A, et al. Clinical results with a B cell activating anti-CD73 antibody for the immunotherapy of Covid-19. medRxiv, 2021.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA