Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825

Toll-free: 400 627 9288

Email: service@genomeditech.com

## Anti-PRLR hlgG1 Antibody(Mat3)

## **Product information**

GM-27198AB-10 10 μg GM-27198AB-100 100 μg GM-27198AB-1000 1 mg

## **Antibody Information**

Species Reactivity Human; Mouse; Cynomolgus

Clone Mat3

Source/Isotype Monoclonal human IgG1(M252Y,S254T,T256E,P329A,L234A,L235A),κ

Application Flow cytometry; Block

Specificity Detects PRLR

Gene PRLR

Other Names HPRL; MFAB; hPRLrl; RI-PRLR

Gene ID 5618(human); 19116(mouse); 102139140 (cynomolgus)

Background All effects of the hormone prolactin (PRL) are mediated by its receptor

(PRLR), which plays an important role in the PRL signal transduction cascade. Prolactin receptor (PRLR) is a type I cytokine receptor encoded by PRLR gene on human chromosome 5P13-14. PRLR is a membrane binding protein of the cytokine receptor superfamily. PRLR can also bind to and be activated by growth hormone (GH) and human placental prolactin (hPL). It plays an important role in the alveolar development of

breast lobules during pregnancy and lactation.

Storage Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term. Avoid

repeated freeze-thaw.

Formulation Phosphate-buffered solution, pH 7.2.

Endotoxin < 1 EU/mg, determined by LAL gel clotting assay

Version:3.1 Revision Date:12/25/2023

Genomeditech (Shanghai) Co.,Ltd. Order: 021-68455258/50432826/50432825

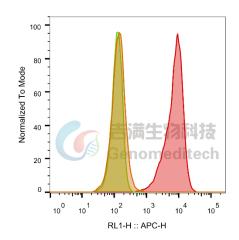
Toll-free: 400 627 9288

Email: service@genomeditech.com

## **Data Examples**

Flow cytometry

The recommended usage range is 0.5-4 µg per test. H\_PRLR CHO-K1 Cell Line(Catalog # GM-19002AB) was stained with Anti-PRLR hlgG1 Antibody (Catalog # GM-27198AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

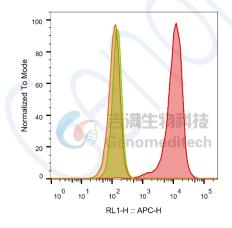


SampleID	Geometric Mean : RL1-H
CHO-K1 anti-PRLR+APC-2nd Ab	134
CHO-K1 H_PRLR H_lgG+APC-2nd Ab	120
CHO-K1 H_PRLR anti-PRLR+APC-2nd Ab	6843

Fig. FACS

Flow cytometry

The recommended usage range is 0.5-4 µg per test. Cynomolgus\_PRLR CHO-K1 Cell Line(Catalog # GM-C20046) was stained with Anti-PRLR hlgG1 Antibody (Catalog # GM-27198AB) or isotype control antibody, followed by anti-Human lgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-PRLR+APC-2nd Ab	118
CHO-K1 Cyno_PRLR H_IgG+APC-2nd Ab	142
CHO-K1 Cyno_PRLR anti-PRLR+APC-2nd Ab	9966

Flow cytometry

Fig. FACS

The recommended usage range is 0.5-4 µg per test. Mouse\_PRLR CHO-K1 Cell Line(Catalog # GM-C20045) was stained with Anti-PRLR hlgG1 Antibody (Catalog # GM-27198AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

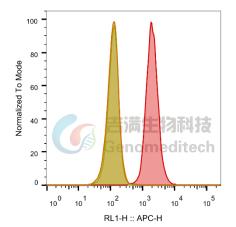
Version:3.1 Revision Date:12/25/2023



Genomeditech (Shanghai) Co.,Ltd. Order: 021-68455258/50432826/50432825

Toll-free: 400 627 9288

Email: service@genomeditech.com



	SampleID	Geometric Mean : RL1-H
C	CHO-K1 anti-PRLR+APC-2nd Ab	120
_ c	CHO-K1 M_PRLR H_IgG+APC-2nd Ab	122
C	CHO-K1 M_PRLR anti-PRLR+APC-2nd Ab	1957

Block assay

Fig. FACS

Anti-PRLR hlgG1 Antibody (Catalog # GM-27198AB) inhibits

H\_PRL(prolactin) Reporter Cell Line (Catalog # GM-C19941)

Luminescence induced by Recombinant Human Prolactin

Protein. IC50 for this effect is 0.2015  $\mu g/mL$ .

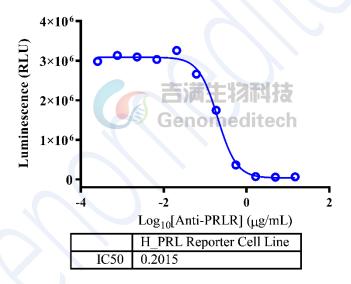


Fig. assay