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

Toll-free: 400 627 9288

Email: service@genomeditech.com

Anti-CTLA-4/PD-1 hlgG1 Bispecific Antibody(Cadonilimab)

Product Information

GM-60293AB-10 10 μg GM-60293AB-100 100 μg GM-60293AB-1000 1 mg

Antibody Information

Species Reactivity Human

Specificity Detects human CTLA-4 and PD-1.

Source/Isotype Monoclonal human IgG1, κ

Application Binding activation: 100 pg/mL-100 µg/mL

Background PD-1 is an immunosuppressive receptor expressed by activated T

and B cells and plays a key role in the regulation of the immune response to tumor antibodies and autoantigens. The interaction between PD-1 and its ligand PD-L1 or PD-L2 in neighboring cells can inhibit the conduction of TCR signaling pathway and the effects of TCR-mediated cell proliferation, transcriptional activation, and cytokine production. Therapeutic antibodies and Fc fusion proteins used to block PD-1/PD-L1 interactions have been shown to be promising in clinical trials for the

treatment of various cancers.

CTLA-4, also known as CD152, is an immunosuppressive receptor that is constitutively expressed on regulatory T cells (TreGs). It plays a key role in the regulation of immune response. When CTLA4 is upregulated on T cell surface, T cells bind to CD80(B7-1) or CD86(B7-2) with a higher affinity than CD28's positive costimulatory signal, thus inducing T cell nonreactivity. Antibodies and Fc fusion proteins that block the interaction of CTLA4/CD80 and CD86 have been shown to have promising applications in clinical trials against various cancers.

Storage Store at +4°C short term (1-2 weeks). Store at -20°C long term

Formulation Phosphate-buffered solution, pH 7.2.

Version:2.1 Revision Date:10/10/2022

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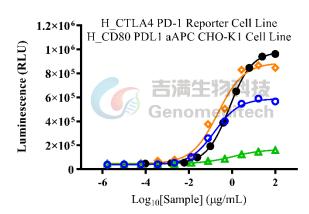
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Data Examples

Binding activation

- Coating 100 μL/well H_CD80 PDL1 aAPC CHO-K1 Cell Line (Catalog # GM-C30574; 1.5×10⁵ cells/mL) on 96-well plate, store at CO₂ cell incubator overnight.
- Gently remove the liquid, add 25 μL/well Anti-CTLA-4/PD-1 hlgG1 Bispecific Antibody (400 μg/mL) in gradient dilution with assay buffer (RPMI 1640+1% FBS+1% P.S).
- Add 25 μL/well H_CTLA4 PD-1 Reporter Cell Line (Catalog # GM-C30574; 4×10⁶ cells/mL).
- Add 50 μL/well assay buffer (RPMI 1640+1% FBS+1% P.S), and incubate at CO₂ cell incubator 37°C for 6 hours.
- Microplate reader to the luminescence and analysis the data.



	EC50
- Anti-CTLA-4 Ab	0.1543
★ Anti-PD-1 Ab	1.111
◆ Anti-CTLA-4 + Anti-PD-1 Abs	0.2213
CTLA-4/PD-1 Bispecific Ab	0.7527