Mouse Anti-Mouse PD-1 (29F.1A12) Recombinant Antibody (LALAPG)

Mouse anti-mouse PD-1 (29F.1A12) Recombinant Antibody - LALAPG

Product Benefits:

This antibody is a recombinant version of ichorbio's bestselling 29F.1A12 clone. We have switched out the original rat constant region and converted it to a murine constant region, and added a LALAPG mutation to abolish Fc associated effector functions.

ichorbio's anti-PD-1 In Vivo Antibody - Low Endotoxin (29F.1A12) is manufactured in a cGMP compliant facility. Click here to view ichorbio's complete list of anti-PD-1 antibodies and biosimilars. ichorbio: the best antibodies for *in vivo* research.

Target:

PD-1

Clone:

29F.1A12

Size:

ichorbio's 29F.1A12 *in vivo* antibody is available in the following bulk sizes: 1mg, 5mg, 10mg, 20mg. ichorbio regularly manufactures multi-gram amounts of our mouse anti-mouse PD-1 29F.1A12 LALAPG clone - please contact us for pricing.

Isotype:

Mouse IgG2a

Other Names:

Programmed cell death protein 1, Pdcd1, CD279

Uniprot:

Q02242

Host:

Mouse

Species Reactivity:

Mouse, Rat

Specificity:

Anti-PD-1 recombinant antibody (29F.1A12) recognizes an epitope on Mouse PD-1. Despite its predicted molecular weight, PD-1 often migrates at higher molecular weight in SDS-PAGE.

Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Antigen Distribution:

Induced on splenic T and B lymphocytes, thymocytes, and myeloid cells after stimulation.Subset of double negative thymocytes, activated T and B cells

Background:

Programmed death-1 (PD-1), also know as CD279 is a 50-55 kD glycoprotein belonging to the CD28 family of the Ig superfamily. PD-1 is transiently expressed on CD4 and CD8 thymocytes as well as activated T and B lymphocytes and myeloid cells. Like the clones RMP1-14 and J43 antibodies, the 29F.1A12 antibody has been shown to block the binding of PD-1 to its ligands in vivo.

Immunogen:

PD-1 cDNA followed by PD-1-Ig fusion protein

Concentration:

1.0 - 5.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

Endotoxin:

? 1.0 EU/mg as determined by the LAL method

Aggregation:

Aggregation level ? 5%

Storage:

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -80°C. Avoid repeated freeze thaw cycles.

Applications:

Flow Cytometry, Western Blot, Blocking, IHC (Frozen)

Use:

Products are for research use only.

Antibodies against the same target:

Anti-PD-1 In Vivo Antibody - Low Endotoxin [RMP1-14] (ICH1132), Anti-PD-1 In Vivo Antibody - Ultra Low Endotoxin [RMP1-14] (ICH1132UL)

Alternative Names:

- CD279 antibody
- CD279 antigen antibody
- mPD 1 antibody
- mPD l antibody
- mPD-1 antibody
- mSLE1 antibody
- PD 1 antibody
- PD-1 antibody
- PD1 antibody
- PDCD 1 antibody
- PDCD1 antibody
- Programmed cell death 1 antibody
- Programmed cell death 1 protein antibody
- Programmed cell death protein 1 antibody
- Protein PD 1 antibody
- Protein PD-1 antibody
- SLEB2 antibody
- Systemic lupus erythematosus susceptibility 2 antibody