PAA788Mu01
Polyclonal Antibody to Programmed Cell Death Protein 1 Ligand 1 (PDCD1LG1)
Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[ PROPERTIES ]

Source: Polyclonal antibody preparation
Host: Rabbit
Purification: Antigen-specific Affinity Chromatography.
Traits: Liquid
Concentration: 200µg/mL
UOM: 100µg
Applications: WB; ICC; IHC-P; IHC-F; ELISA; IP; IF; FCM.

[ IMMUNOGEN ]

Immunogen: Recombinant PDCD1LG1 (Leu48~Thr290) expressed in E.coli.
Accession No.: RPA788Mu01

[ APPLICATIONS ]

Western blotting: 0.5-2µg/ml
Immunocytochemistry in formalin fixed cells: 5-20µg/ml
Immunohistochemistry in formalin fixed frozen section: 5-20µg/ml
Immunohistochemistry in paraffin section: 5-20µg/ml
Enzyme-linked Immunosorbent Assay: 0.05-2µg/ml
Optimal working dilutions must be determined by end user.

[ FORMULATION ]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃,
50% glycerol.
[ QUALITY CONTROL ]

Content: The quality control contains recombinant PDCD1LG1 disposed in loading buffer.
Usage: 10uL per well when 3,3’-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).
Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.
Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN₃.

[ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.
Store at 4°C for frequent use.
Aliquot and store at -20°C for 12 months.
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[ IDENTIFICATION ]

Figure 1. Western Blot
A. Sample: Recombinant PDCD1LG1, Mouse
B. Mouse Heart Tissue
   Primary Ab: 2µg/mL Rabbit Anti-Mouse PDCD1LG1 Ab
   Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig Anti-Rabbit Ab (Catalog: SAA544Rb59)
Figure 2. DAB staining on IHC-P

Samples:
A. Mouse Liver Tissue
B. Mouse Testis Tissue
C. Mouse Heart Tissue