

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2026-08-03 16:22:41
Date of Next Testing:	2028-08-02 16:22:41
Product Name:	Penpulimab (anti-PDCD1)
Lot #:	ZJ24F1012860
SKU #:	Ab170702
Version:	2
Analysis #:	040306
Clone ID:	
Isotype:	Human IgG1
Source:	CHO supernatant
Formulation:	Liquid
Concentration:	3.10mg/mL
Buffer Solution:	Supplied as a 0.22 µm filtered solution in 100mM Pro-Ac, 20mM Arg, pH 5.0
Storage Conditions:	Store at -80°C, Avoid repeated freeze-thaw cycles
Analysis:	040306

Parameter	Limit Value	Result
Molecular Weight	166.0-202.8(kD)	187.00000 kD
Purity(SDS-PAGE)	95-100(%)	99.00000 %
Purity (SEC)	95-100(%)	99.00000 %
Appearance(Ab170702)	Colourless liquid	Colourless liquid
Endotoxin Level <1 EU/mg	Conform	Conform
PD-1 binding	Conform	Conform



Sophia Cheng
Quality Assurance