

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-12-20 08:47:43
Date of Next Testing:	2025-12-19 08:47:43
Product Name:	Penpulimab (anti-PDCD1)
Lot #:	ZJ23F1202071
SKU #:	Ab170702
Version:	2
Analysis #:	001221
Clone ID:	
Isotype:	Human IgG1
Source:	CHO supernatant
Formulation:	Liquid
Concentration:	3.1mg/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 freezing and thawing
Analysis:	001221

Parameter	Limit Value	Result
Purity(SDS-PAGE)	95-100(%)	100.00000 %
Purity (SEC)	95-100(%)	100.00000 %
Molecular Weight	166.0-202.8(kD)	184.40000 kD
Appearance(Ab170702)	Colourless liquid	Colourless liquid
Endotoxin Level < 1 EU/mg	Conform	Conform
PD-1 binding	Conform	Conform



 Sophia Cheng
 Quality Assurance