

CERTIFICATE OF ANALYSIS

Product information

Product Name	Anti-Human PD-1 Antibody (PD1.D3), mAb, Mouse
Product Cat. No.	A01829
Lot No.	16K001141
Quantity	Specified on product label
Presentation	Lyophilized powder from antibody solution with PBS, pH 7.4, containing 0.02% sodium azide
Conjugation	Unconjugated
Storage	The product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Quality Control

Test Items	Specifications	Results
Reactivity	ELISA titer $\geq 1:20,000$ Specific to human PD-1 by Elisa	Passed
Concentration	Tested by A280nm with the extinction coefficient 1.43	Passed
Purification	Protein A affinity column	Qualified
Purity	$\geq 85\%$ by SDS-PAGE	Qualified

Caution:

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 11/17/2010 1-732-885-9188.

Certified by: 
Antibody Production Director

Date: 11/23/2016