

Version 1.0  
Update: 07/26/2019

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	MonoRab™ Human PD-L1 Antibody (X228), mAb, Rabbit
Cat. No.	A02012-40
Lot No.	19S001941
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 lyophilized 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	Specific to PD-L1 by ELISA	Passed
Concentration	Tested by A280nm with the extinction coefficient 1.43	Passed
Purification	Protein A/G	Qualified
Purity	≥90% 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 1-732-885-9188.

Certified by:  Date: 09/29/2019  
Antibody Production Director

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*