Product Datasheet

Anti-Human PD-L1/B7-H1 Reference Antibody (Atezolizumab, RUO)
Catalog No.: BS10611

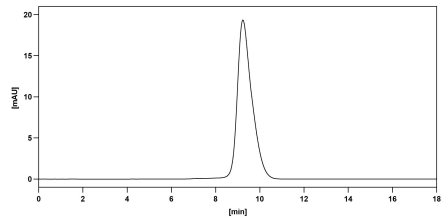
Product Information

Catalog No.	BS10611
Product name	Anti-Human PD-L1/B7-H1 Reference Antibody (Atezolizumab, RUO)
Applications	ELISA, Bioactivity: FACS, Functional assay, Research in vivo
Species reactivity	Human
Host species	Humanized
Clonality	Monoclonal
Isotype	IgG1-kappa
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	3.04mg/ml
Purity	>95% purity as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	B7-H1, Programmed cell death 1 ligand 1, PDCD1 ligand 1, PDCD1L1, B7 homolog 1, PDCD1LG1, PDL1, hPD-L1, Programmed death ligand 1, B7H1, PD-L1, CD274
Expression system	Mammalian Cells
Accession	Q9NZQ7
Endotoxin level	Please contact the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C for short-term storage (1-2 weeks). Store at -20°C for up to 12 months. For long-term storage, store at -80°C.
Alternative Names	MPDL3280A, RG7446, 1380723-44-3
Note	For research use only. Not suitable for clinical or therapeutic use.

Background

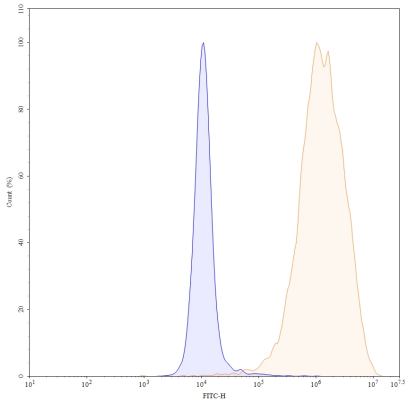
Atezolizumab (trade name Tecentriq) is a fully humanized, engineered monoclonal antibody of IgG1 isotype against the protein programmed cell death-ligand 1 (PD-L1). In 2015, it was in clinical trials as an immunotherapy for several types of solid tumors. It was under investigation by Genetech/Roche. In April 2016, Roche announced that atezolizumab had been granted fast track status for lung cancer by the FDA. In May 2018, Tecentriq was in combination with Avastin and standard chemotherapy for some patients with lunch cancer was granted priority review.

Image Data



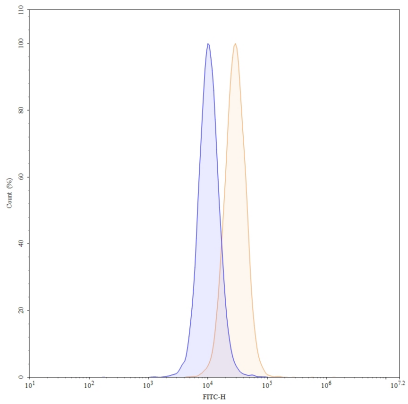
SEC-HPLC

SEC-HPLC detection for Research Grade Atezolizumab.



Flow Cytometry

Flow-cytometry using anti-human CD274 antibody. Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an anti-human CD274 monoclonal antibody (Catalog HV974016) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a Goat Anti-Human IgG H&L Polyclonal Antibody, FITC (abinScience: HF690414) and cells analysed on a NovoCyte Flow Cytometer.



Flow CytoMetry

Flow-cytometry using FITC anti-human CD274 antibody. MDA-MB-231 cells were stained with an irrelevant antibody (Blue Histogram) or an FITC anti-human CD274 monoclonal antibody (Catalog: HV974016, Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.