ARG83547

arigoQIKTM Mouse CD279 / PD-1 ELISA Development Kit

Package: 1 kit(5 plates), 1 kit (15 plates)
Store at: 4°C, -20°C

Summary

Product Description	ARG83547 arigoQIK™ Mouse CD279 / PD-1 ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution. This ELISA Development Kit is designed for the development of sandwich ELISA to measure Mouse CD279 / PD-1 in serum, plasma and cell culture supernatants. For other reagents required for arigoQIK™ ELISA Development Kit, please refer ARG83524 Integral Reagent Kit (ELISA Development Kit) More about arigoQIK™: ● Optimized capture and detection antibody pairs ● Reduced incubation time and wash cycles ● 2-hour quicker than conventional ELISA process ● 5- and 15-plate packages available
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	CD279 / PD-1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	62.50 - 4000pg/ml
Sample Volume	50 µl
Alternate Names	PDCD1; Programmed Cell Death 1; PD1; CD279; HSLE1; PD-1; Systemic Lupus Erythematosus Susceptibility 2; Programmed Cell Death Protein 1; Protein PD-1; SLEB2; HPD-1; Programmed Cell Death 1 Protein; CD279 Antigen; HPD-L

Properties

Storage instruction	Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PDCD1
Gene Full Name	Programmed Cell Death 1
Background	Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against

	autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity. [provided by RefSeq, Aug 2020]
Function	The blockage of the PDCD1-mediated pathway results in the reversal of the exhausted T-cell phenotype and the normalization of the anti-tumor response, providing a rationale for cancer immunotherapy. [UniProt]
Highlight	Related news: arigoQIK, DIY your sandwich ELISA kits;
PTM	Disulfide bond, Glycoprotein, Isopeptide bond, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Cell membrane, Membrane. [UniProt]