Mouse Anti-Human CD279 (PD-1) mAbConjugated Antibody

Catalog No: #CCM019

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Package Size: #CCM019-AF350 100ul #CCM019-AF405 100ul #CCM019-AF488 100ul #CCM019-AF555 100ul #CCM019-AF594 100ul #CCM019-AF647 100ul #CCM019-AF680 100ul #CCM019-AF750 100ul #CCM019-Biotin 100ul

Description

Product Name	Mouse Anti-Human CD279 (PD-1) mAbConjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu
Specificity	This antibody recognizes human PD-1 in Western blot and FACS. It can not cross-react with other members of B7/CD28 superfamily.
Immunogen Description	L929/PD-1 transfected cells
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	PD1; hPD-1; hPD-l; PDCD1; PDC1; Programmed cell death 1; SLEB2
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Programmed death-1 (PD-1, CD279), a negative costimulatory molecule, is a type I glycoprotein and is inducibly expressed on T cells, B cells, natural killer T cells and activated monocytes. It is a 50-55 kDa type I transmembrane receptor, belonging to member of IgG superfamily. The intracellular domain of PD-1 contains two tyrosine-based signaling motifs (ITIM and ITSM), which can recruit the phosphatases SHP-1 and SHP-2. PD-1 can also be found on thymus and bone marrow during the development. PD-1 plays a negative regulatory role when combining with its ligands named PD-L1/PD-L2 during immune response.

Note: This product is for in vitro research use only