

43-1072: Monoclonal Antibody to Mouse CD274 (PD-L1, B7-H1) NALE™ Purified (Clone: 10F.9G2)

Clonality :	Monoclonal
Clone Name :	10F.9G2
Application :	FACS
Reactivity :	Mouse
Gene :	Cd274
Gene ID :	60533
Uniprot ID :	Q9EP73
Alternative Name :	B7h1, Pcd1l1, Pcd1lg1, Pdl1
Isotype :	Rat IgG2b, kappa

Description

The 10F.9G2 monoclonal antibody specifically reacts with mouse CD274, also known as B7-H1 or PD-L1, a 43 kDa glycoprotein of the B7 family of the immunoglobulin superfamily. CD274 is expressed on the B and T lymphocytes, natural killer cells, and dendritic cells. The receptor for the B7-H1 molecule is PD-1, which contains an Immunoreceptor Tyrosine-based Inhibitory Motif (ITIM), and is expressed on activated B and T cells. The interaction between CD274 and PD-1 seems to downregulate the T and B immune responses.

Product Info

Amount :	100ug / 500 µg
Content :	2 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.