

Product datasheet for **TA320439**

Pdcd1lg2 Rat Monoclonal Antibody [Clone ID: 122]

Product data:

Product Type:	Primary Antibodies
Clone Name:	122
Recommended Dilution:	Flow
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	programmed cell death 1 ligand 2
Database Link:	NP_067371 Entrez Gene 58205 Mouse Q9WUL5

Background: The 122 monoclonal antibody reacts with mouse B7-DC, also known as PD-L2. B7-DC, a recently identified member of the B7 family, has a predicted molecular weight of approximately 25 kDa and belongs to the Ig superfamily. The mouse B7-DC has a short cytoplasmic tail (4aa). B7-DC is primarily expressed by subpopulations of dendritic cells and monocytes/macrophages in the mouse. Although B7-DC has structural and sequence similarities to the B7 family, it does not bind CD28/CTLA-4, rather it is a ligand for PD-1. The interactions between PD-1 and B7-DC/PD-L2 have been reported to be involved in costimulation or suppression of T cell proliferation depending on state of cellular activation. 122 has been demonstrated to block binding of TY25 (Cat. No. 14-5986), another mAb specific for mouse B7-DC.

Synonyms: B7-DC; B7DC; bA574F11.2; Btdc; CD273; MGC142238; MGC142240; PD-L2; PDCD1L2; PDL2



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