

Product datasheet for **TA320298**

Cd86 Rat Monoclonal Antibody [Clone ID: PO3.1]

Product data:

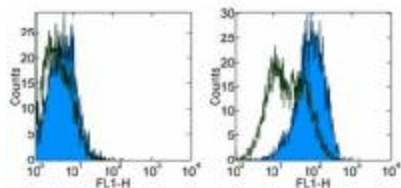
Product Type:	Primary Antibodies
Clone Name:	PO3.1
Applications:	FC
Recommended Dilution:	Flow, Functional Assay
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD86 antigen
Database Link:	NP_062261 Entrez Gene 12524 Mouse P42082

Background: The PO3.1 monoclonal antibody reacts with mouse CD86, an ~80 kDa surface receptor also known as B7-2. CD86 and CD80 are members of the B7 family of costimulatory molecules. CD86 is expressed at low level on B cells, macrophages, and dendritic cells and is upregulated on B cells through a variety of surface stimuli including the BCR complex, CD40 and some cytokine receptors. CD86 is also expressed by activated mouse T cells and thioglycolate-elicited peritoneal cells. In addition to CD80 (B7-1), CD86 is a counter-receptor for the T cell surface molecules CD28 and CD152 (CTLA-4). The interaction of CD86 with its ligands plays a critical role in T-B crosstalk, T cell costimulation, autoantibody production and Th2-mediated Ig production. The kinetics of upregulation of CD86 upon stimulation supports its major contribution during the primary phase of an immune response.

Synonyms: B7-2; B70; BU63; CD28LG2; FUN-1; LAB72; MGC34413



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Product images:

Staining of 2-day unstimulated (left) or LPS-stimulated (right) C57BL/6 splenocytes with 0.25 ug of Rat IgG2b K Isotype Control Purified (open histogram) or 0.25 ug of Anti-Mouse CD86 (B7-2) Purified (filled histogram) followed by Anti-Rat IgG FITC. Total viable cells were used for analysis.