

## Product datasheet for **AM05571RP-N**

### Cd86 Rat Monoclonal Antibody [Clone ID: PO3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PO3
Applications:	FC
Recommended Dilution:	Flow Cytometry: 1/10.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Mouse B-cell line, BCL1.
Specificity:	This antibody recognises CD86 (B7-2). The PO3 clone has been reported to block some co-stimulatory functions of CD86.
Formulation:	Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin Label: PE State: Lyophilised purified IgG Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Reconstitute with 1.0 ml distilled water
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD86 antigen
Database Link:	<a href="#">Entrez Gene 12524 Mouse P42082</a>



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**Background:**

CD86 is an 80kD cell surface glycoprotein which is a member of the CD28/B7 family. In mouse, CD86 is expressed at high levels on peripheral blood monocytes, dendritic cells and at low levels on resting B and T-lymphocytes. Expression of CD86 on these cell populations can be increased upon activation. CD86 has been identified, along with CD80 (B7-1) as a ligand for CD28 and cytotoxic T-lymphocyte antigen-4 (CTLA4). CD28 and CTLA4 are two receptors that have opposing functions in T-cell stimulation. Interaction of CD86 with CD28 promotes a number of T-cell activities, whereas the binding of CD86 to CTLA4 inhibits T-cell responses.

**Synonyms:**

CD28LG2, Activation B7-2 antigen, B70, BU63, B7.2, FUN-1