

## Product datasheet for **SM1167P**

### **B7-2 (CD86) Mouse Monoclonal Antibody [Clone ID: BU63]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BU63
Applications:	FC, IHC, IP
Recommended Dilution:	<b>Immunoprecipitation.</b> <b>Flow Cytometry:</b> 1/20-1/100; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. <b>Immunohistochemistry on Frozen Sections:</b> 1/20-1/100. <b>Recommended Positive Control:</b> Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human peripheral blood lymphocytes. Spleen cells from immunised mice were fused with cells of the P3 X63 Ag8.653 myeloma cell line.
Specificity:	This antibody recognises CD86. Domain depletion epitope mapping studies indicate that the binding site of Mouse anti Human CD86, Clone Bu63 is located within the Ig-v-like domain of Human CD86 (Jeanin et al. 1997).
Formulation:	0.1M Tris buffered saline, pH 8.2 State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD86 molecule



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**Database Link:** [Entrez Gene 942 Human P42081](#)

**Background:** CD86 is a 70kD cell surface protein expressed by activated B cells and monocytes. CD86 is also known as B7-2 and is the second ligand for CD28 and CTLA-4. It may have an important role in costimulation of T cells in the primary immune response.

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