

## Product datasheet for **AM06519SU-N**

### **B7-2 (CD86) Mouse Monoclonal Antibody [Clone ID: 1B3]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	1B3
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human CD86 expressed in E. Coli.
Specificity:	Recognizes CD86
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Predicted Protein Size:	52 kDa
Gene Name:	CD86 molecule
Database Link:	<a href="#">Entrez Gene 942 Human P42081</a>



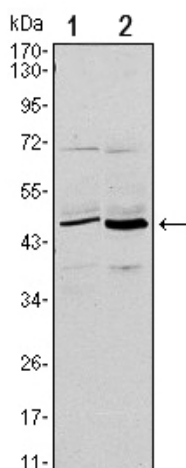
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**Background:**

This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined. Tissue specificity: Expressed by activated B-lymphocytes and monocytes.

**Synonyms:**

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

**Product images:**

Western blot analysis using CD86 antibody Cat.-No AM06519SU-N against L1210 (1) and MOLT-4 (2) cell lysate.