

## Product datasheet for **AM09026PU-S**

### **PDCD4 Mouse Monoclonal Antibody [Clone ID: k4C1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	k4C1
Applications:	ELISA, FACS, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot:</b> 1/1,000-1/3,000 (recommended starting dilution is 1/2,000). <b>Flow cytometry.</b> <b>Immunocytochemistry.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human PDCD4 (1-469 aa) purified from <i>E. coli</i>
Specificity:	The antibody recognizes Human PDCD4. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	programmed cell death 4 (neoplastic transformation inhibitor)
Database Link:	<a href="#">Entrez Gene 27250 Human</a> <a href="#">Q53EL6</a>

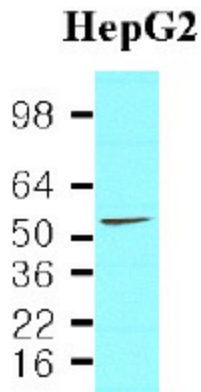


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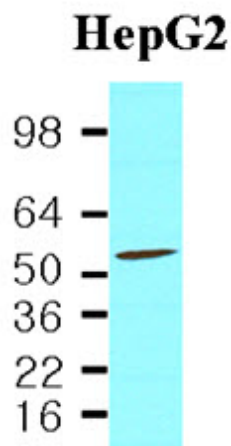
**Background:** Programmed cell death 4 (PDCD4) encodes a tumor suppressor protein whose expression is lost in progressed carcinomas of lung, breast, colon, and prostate. The expression of PDCD4 gene is strongly induced during apoptosis in a number of cell types. It is modulated by cytokines in natural killer and T cells.

**Synonyms:** H731

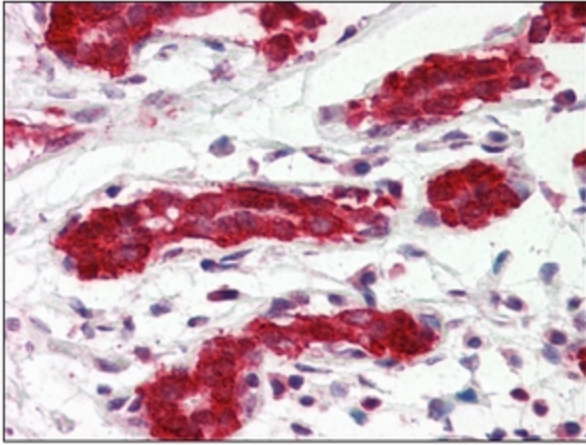
**Product images:**



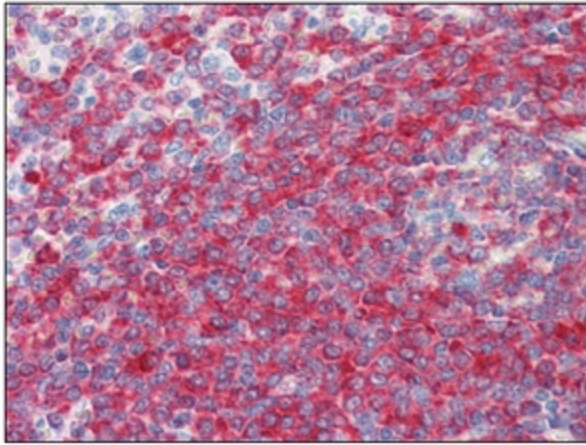
Cell lysates of HepG2 (40ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PDCD4 (1:2,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



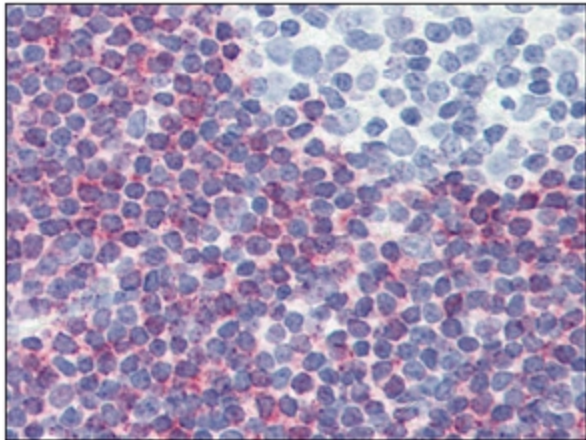
Western blot analysis: Cell lysates of HepG2 (40 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PDCD4 antibody (1/2,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunohistochemistry: -N PDCD4 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Breast at 5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry: -N PDCD4 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Spleen at 5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry: -N PDCD4 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Tonsil at 5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.