

## 32-6198: Mouse Anti Human Programmed Cell Death 4(Clone:Pk4C1AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	Pk4C1AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	PDCD4
<b>Gene ID :</b>	27250
<b>Uniprot ID :</b>	Q53EL6
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Programmed cell death protein 4,Nuclear antigen H731-like,Neoplastic transformation inhibitor protein,Protein 197/15a,PDCD4,H731,MGC33046,MGC33047.
<b>Isotype :</b>	Mouse IgG1 heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human PDCD4 mAb is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PDCD4 amino acids 1-469 purified from E. coli.

### Description

PDCD4 is restricted to the nucleus in proliferating cells. Expression of PDCD4 is modulated by cytokines in natural killer and T cells. PDCD4 takes part in apoptosis. PDCD4 is a translation inhibitor targeted for degradation during tumor promotion. PDCD4 promotes colonic neoplastic transformation and tumor invasion. PDCD4 is an important target for microRNA R-21 in breast cancer cells. Shortage of PDCD4 expression is associated with colorectal cancer. PDCD4 is swiftly phosphorylated by S6K1 kinase protein & afterwards degraded by ubiquitin ligase SCF in response to mitogens. PDCD4 in response to mitogens allows competent protein synthesis & cell growth. PDCD4 is a proapoptotic protein involved in TGF-beta1-induced apoptosis in human HCC cells, and a tumor suppressor in hepatocarcinogenesis. PDCD4 restrains tumor progression in colon carcinoma cells by the novel mechanism of down-regulating MAP4K1 transcription, with consequent inhibition of c-Jun activation and AP-1-dependent transcri

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	PDCD4 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

### Application Note

PDCD4 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000~ 3,000. Recommended starting dilution is 1:2,000.