

Product Information

Size:

5µg

Applications:

Western Blot, ELISA

Reactivity:

Other bodies

Source:

Mouse

Isotype:

IgG1

Purification Method:

PDCD4 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.

Protein Background:

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 transcription.

Synonyms:

Programmed cell death protein 4, Nuclear antigen H731-like, Neoplastic transformation inhibitor protein, Protein 197/15a, PDCD4, H731, MGC33046, MGC33047.

Immunogen:

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 Ecoli.

Storage:

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.