

## Product datasheet for **TA385977**

### CD28 Mouse Monoclonal Antibody [Clone ID: 1C6]

#### Product data:

Product Type: Primary Antibodies

Clone Name: 1C6

Applications: BI, ELISA, FC

Reactivity: Dog

Host: Mouse

Isotype: IgG1, kappa

Clonality: Monoclonal

Immunogen: Canine CD28.

Specificity:

The antibody binds specifically to canine CD28, a self self surface receptor expressed by thymocytes and a subset of natural killer cells. CD28 acts as a receptor for CD80 and CD86, providing a costimulatory signal for the activation of T-cells and the production of interleukins, such as IL-6. The 1C6 monoclonal antibody has antagonistic activity, blocking mixed lymphocyte reactions and cytotoxic T lymphocyte mediated killing. The use of the monoclonal antibody 1C6 for the neutralisation of CD26 signal following T-cell receptor activation is of clinical importance for transplantation therapy, as it has been shown to prevent graft rejection and graft-versus-host disease in the canine model of allogeneic hematopoietic cell transplantation (HCT).

Formulation: PBS with 0.02% Proclin 300.

Concentration: lot specific

Conjugation: Unconjugated

Storage: Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.

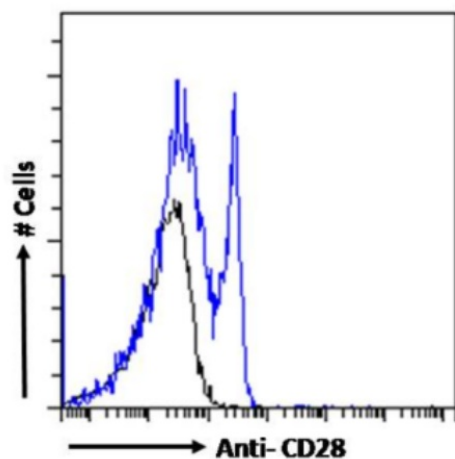
Stability: 3 years from dispatch.

Database Link: [Entrez Gene 403646 Dog Q9N0N8](#)

Synonyms: MGC138290; Tp44



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**Product images:**

Flow-cytometry using the anti-CD28 antibody 1C6 (TA385977) Dog peripheral blood leukocytes were stained with anti-Fluorescein IgG antibody (clone 4-4-20; isotype control, black line) or the mouse IgG1 version of 1C6 (TA385977, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.