HYBRIDOMA 14B11, PRODUCING MONOCLONAL ANTIBODY REACTIVE WITH MOUSE LY49C, LY49F, LY49H AND LY49I

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ABSTRACT

This invention represents a hybridoma producing an hamster IgG monoclonal antibody specific for the mouse Ly49C, Ly49F, LY49H and Ly49I receptors. These receptors are homodimeric and are expressed by subsets f NK Cells and some T cells. This monoclonal reacts with all four receptors, resulting in reactivity with 90% of NK cells in some mouse strains. The Ly49 receptors bind to classical class I molecules. Ligand binding by Ly49C, F and I is expected to inhibit NK cell functions such as cytotoxicity. L:y49H, in contrast, is a stimulatory receptor on NK cells. The 14B11 antibody can stimulate killing by NK cells, probably because of its reactivity with Ly49H.

Further detailed information was published;

Corral, L. & et al. (1999) Hybridoma. 18:359-366

APPLICATIONS

The monoclonal is useful for staninig the T cells and/or NK cells that express the mouse Ly49C. F, H, or I receptors.

RELATED TECHNOLOGIES

- Hybridoma Hbf-719, Producing Monoclonal Antibody Specific For Mouse Ly49f
- Hybridoma Yli-90, Producing Mabs Specific For Mouse Ly49i

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OTHER INFORMATION

KEYWORDS

research tool, antibody

CATEGORIZED AS

» **Research Tools**

» Antibodies

RELATED CASES

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