

HYBRIDOMA (17B5), PRODUCING MONOCLONAL ANTIBODY SPECIFIC FOR MOUSE 4-1BB

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ABSTRACT

This invention concerns a hybridoma producing a hamster IgG monoclonal antibody specific for the mouse 4-1BB receptor. Mouse 4-1BB is a member of the TNF receptor gene family of receptors. It is expressed by activated T cells in mice. We found that 70-80% of IL-2 activated NK cells also stain with our anti-4-1BB antibody. It has been reported that 4-1BB is a ?co stimulatory? receptor on T cells. When injected into mice, 17B5 antibody against 4-1BB can promote protection against certain transplanted tumor cells.

APPLICATIONS

The antibody is useful for staining the T cells and/or the NK cells that express the mouse 4-1BB receptor.

The antibody may induce signaling in lymphocytes, since it augments tumor immunity.

ADVANTAGES

This 4-1BB antibody may signal differently than other available antibodies as it exhibits superior functional activity.

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OTHER INFORMATION

KEYWORDS

antibody, research tool

CATEGORIZED AS

» **Research Tools**

» Antibodies

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