

HYBRIDOMA 18D₃, PRODUCING MONOCLONAL ANTIBODY SPECIFIC FOR MOUSE CD94

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ABSTRACT

This invention consists of a hybridoma cell line producing a rat (IgG2a, kappa) monoclonal antibody specific for the mouse CD94 receptor subunit. CD94 is expressed on the surface of all NK cells and some T cells. CD94 m when paired with an NKG2A, C or E subunit, binds the nonclassical Class I molecule Qa-1b associated with a peptide derived from classical class I molecules. Approximately half of NK cells do not express NKG2A, C, or E; these cells express CD94 on the surface in a form that does not bind Qa-1b and is believed to be nonfunctional.

The utility of this monoclonal antibody was presented in the publication;

Vance & et al. J. Exp Med. 1999 190:1801-12

ADVANTAGES

This monoclonal antibody is useful for staining and purifying NK Cells and/or T cells from mice that express CD94. it does not block ligand binding , but rather appears to enhance binding of soluble ligand (Qa-1b tetramers).

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OTHER INFORMATION

KEYWORDS

research tool, antibody

CATEGORIZED AS

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