Docket #: S97-184

Monoclonal Antibody to Human CD81, 5A6

5A6 is monoclonal antibody (mAbs) which recognizes human CD81. It was identified by its ability to induce a reversible antiproliferative effect on a human lymphoma B cell line. This mAbs is capable of inducing signal signal transduction and cell adhesion. It is shown to bind to the large extracellular loop (EC2) of human CD81.

Applications

- Flow cytometric studies
- Immunoprecipitations
- Western blots

Advantages

- Most potent inducer of biological responses (i.e. antiproliferative effect, induction of homotypic adhesion, and inhibition of motility in lymphoid cells) compared to currently available CD81 mAbs.
- Excellent Western reagent

Publications

- "TAPA-1, the target of an antiproliferative antibody, defines a new family of transmembrane proteins." Oren R, Takahashi S, Doss C, Levy R, Levy S, Mol Cell Biol. 1990 Aug; 10(8): 4007-4015.

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