Antibody Specification Sheet

Anti-human CD86 - Purified

Catalog reference: AS59-P
Size: 0.1 mg

Antibody Information:

Antigen: recombinant expressed extra-cellular domain of human CD86.

Ig Class: mIgG2a.

Specificity: recognizes the extra-cellular domain of human CD86 (also called B7-2). Does not bind the extracellular domain of CD80.

Antibody Source: mono-clonal antibody from BALB/c-derived hybridoma B72-H2.

Production: *in vitro* cell culture.

Purification: Protein A agarose chromatography.

Purity: ≥95%.

Formulation: provided as a 0.2µm sterile-filtered solution in phosphate buffered saline with 0.05% NaN3.

Concentration: 1 mg/ml.

Recommendations:

Storage conditions: store undiluted at 4°C..

Applications:

General Information:

Cell Distribution: CD86 antibody is rapidly induced on the surface of activated B cells, T cells or monocytes and is expressed at high levels on dendritic cells. It is also found on malignant Hodgkin and Reed-Sternberg (H-RS) cells in Hodgkin's disease..

Function: CD86 is one of two ligands (the other CD80) for CTLA4 and CD28. CD86 acts as co-stimulatory molecule in eliciting T-cell help during antigen presentation. Antigen presentation in the absence of sufficient costimulation involving CD86/CD80 can induce tolerance. CD80 appears to play a role distinct from CD80 in T helper cell differentiation.

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