

Recombinant Anti-human CD3e Monoclonal Antibody (Clone SP34-2), Mouse IgG1 Lambda

Catalog No.: PA007196

Background

Clone SP34-2 is a monoclonal antibody targeting the CD3 complex, a critical component of the T cell receptor (TCR) complex. It is a derivative of the original SP34 clone (IgG3), reformatted as mouse IgG1 to enhance stability and utility in various immunological assays. SP34-2 maintains the same specificity and reactivity as its parent clone. The SP34-2 antibody cross-reacts with a major subset of peripheral blood lymphocytes—but not monocytes or granulocytes—in baboons, as well as rhesus, cynomolgus, and pigtail macaques. Its lymphocyte distribution mirrors that of normal human lymphocytes, showing predominant reactivity with CD3-positive T cells, and minimal overlap with B or NK cell markers. Additionally, SP34-2 can stimulate proliferation of peripheral blood mononuclear cells (PBMCs) from both humans and non-human primates.

Source: The in vivo grade recombinant anti-human CD3e monoclonal antibody (clone number: SP34-2), mouse IgG1 lambda was produced in mammalian cells.

Clone: SP34-2.

Isotype: Mouse IgG1 lambda.

Specificity/Sensitivity: The in vivo grade recombinant mouse monoclonal antibody (clone: SP34-2) specifically binds to the human T cell receptor CD3.

Applications: ELISA, flow cytometry, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by the human CD3 protein.

Form of Antibody: 0.2 µM filtered solution of PBS, pH 7.0.

Purity: > 95% by reducing SDS-PAGE.

Endotoxin Level: Less than 1 EU/mg of protein as determined by the LAL method.

Shipping: The product is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.

Stability & storage:

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

1 month from date of receipt if stored at 2°C to 8°C as supplied.

12 months from date of receipt if stored at -20°C to -70°C as supplied.

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<https://www.duozhaozhao.com/anti-human-cd3-antibody-pa007196/>