

DATASHEET

Version: 2016-08-17

CD90 Antibody (5A4D10), mAb, Rat
Cat. No.: A01781-40

Size: 40 µg

Synonyms: CD90 Antibody (5A4D10), mAb, Rat;

Description:

CD90 known as Thy-1, is a heavily N-glycosylated cell surface protein with a single V-like immunoglobulin domain. It may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. CD90 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. It is one of the popular combinatorial surface markers for FACS for stem cells in combination with other markers like CD34. GenScript CD90 Antibody (5A4D10), mAb, Rat is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from rat immunized with purified mouse CD90 recombinant protein.

Immunogen: Purified mouse CD90 recombinant protein

Host: Rat

Fusion Partner:

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells.

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Clone: 5A4D10

Ig Subclass: IgG1, κ
Specificity: GenScript CD90 Antibody (5A4D10), mAb, Rat detects mouse CD90 proteins.

Purification: Protein G affinity column

Applications:

Working concentrations for specific applications should be empirically determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the detection methods, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. ELISA: 0.05-0.2 µg/ml
Flow cytometry: 1-3 µg for 1×10^6 cells

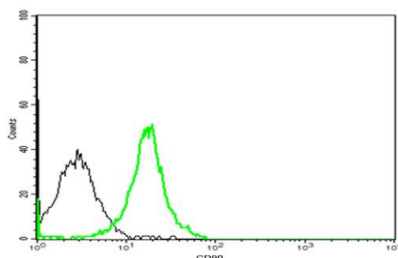
Species Reactivity: Mouse. Reactivity to other species is not tested yet.

Reconstitution:

Reconstitute the lyophilized product with deionized water (or equivalent) to make antibody concentration of 0.5 mg/ml.

Storage:

GenScript CD90 Antibody (5A4D10), mAb, Rat should be stored lyophilized until use. It remains stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. Avoid repeated freezing and thawing cycles.

Example


Flow cytometric analysis of mouse thymocytes cells using CD90 Antibody (5A4D10), mAb, Rat (GenScript, A01781) (green) and rat IgG control (black). The signal was developed with R-PE conjugated Goat Anti-Rat IgG.