

Purified Anti-Human SSEA-4 Antibody[MC-813-70]

catalog number: AN015520P

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

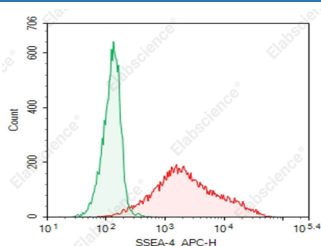
Reactivity	Human
Immunogen	Recombinant Human SSEA-4 protein
Host	Mouse
Isotype	Mouse IgG3, κ
Clone	MC-813-70
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM $\leq 0.2 \mu\text{g}$ per million cells in 100 μL volume

Data



NCCIT were stained with 0.2 μg Purified Anti-Human SSEA-4 Antibody[MC-813-70] (Right) and 0.2 μg Mouse IgG3, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

The MC813-70 antibody reacts with a carbohydrate antigen which is named as Stage-Specific Embryonic Antigen-4 (SSEA-4). It is a terminal structure of globo-series glycolipids (NeuAc α 2-3Gal β 1-3GalNAc β 1-R). SSEA-4 is expressed on human teratocarcinoma cells (EC), embryonic stem cells (ESC), embryonic germ cells (EG), and preimplantation embryos, subset of mesenchymal stem cells, erythrocytes, and erythromyeloid leukemia cell line K562. The expression of SSEA-3 on human ESC is downregulated upon differentiation. SSEA-4 is also expressed by mouse on unfertilized eggs and preimplantation to early cleaved embryos.

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