

## Purified Anti-Human NANOG Antibody[23D2-3C6]

catalog number: AN010430P

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

### Description

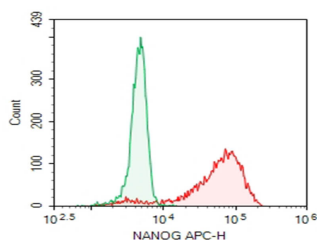
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human NANOG protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clone</b>	23D2-3C6
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

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

### Data



NTERA-2 cells were stained with 0.2  $\mu\text{g}$  Purified Anti-Human NANOG Antibody[23D2-3C6] (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control(Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

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

### Background

Nanog is a transcription factor that plays key roles in the maintenance of pluripotency and self-renewal in embryonic stem cells. Nanog expression is regulated by other transcription factors, which include Sox2 and Oct-4. It also plays a role in epithelial malignancy and is enriched in cancer stem cells. The ablation of nanog is sufficient to reduce the cancer stem cell pool.

### For Research Use Only