

## 30-1697: Anti-CD56 / NCAM Monoclonal Antibody (Clone:MEM-188)-APC Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-188
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	APC
<b>Gene :</b>	NCAM1
<b>Gene ID :</b>	4684
<b>Uniprot ID :</b>	P13591
<b>Alternative Name :</b>	NCAM1,NCAM
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	KG-1 human acute myelogenous leukemia cell line

### Description

CD56 (NCAM, neural cell adhesion molecule) is a transmembrane glycoprotein of immunoglobulin family serving as adhesive molecule which is ubiquitously expressed in nervous system, usually as 120 kDa, 140 kDa or 180 kDa isoform, and it is also found on T cells and NK cells. Polysialic modification results in reduction of CD56-mediated cell adhesion and is involved in cell migration, axonal growth, pathfinding and synaptic plasticity. CD56 is a widely used neuroendocrine marker with a high sensitivity for neuroendocrine tumours and ovarian granulosa cell tumours.

### Product Info

<b>Amount :</b>	100 tests
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

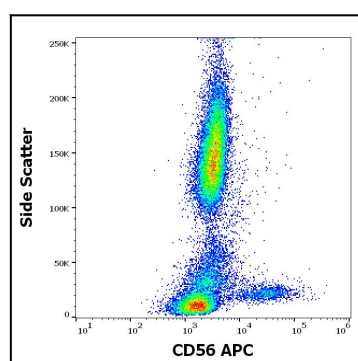


Fig 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD56 (MEM-188) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

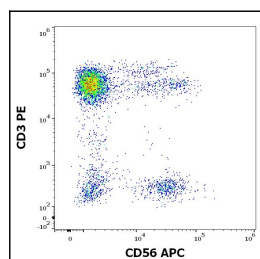


Fig 2 :Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD3 (UCHT1) PE antibody (10 µl reagent / 100 µl of peripheral whole blood) and anti-human CD56 (MEM-188) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

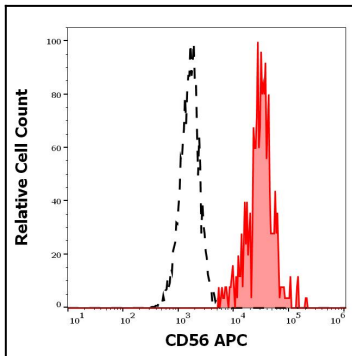


Fig 3 : Separation of human CD56 positive CD3 negative NK cells (red-filled) from CD56 negative CD3 positive T cells (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD56 (MEM-188) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).