

For Research Use Only

# APC Anti-Human TNFR1/CD120a Rabbit Recombinant Antibody

Catalog Number: APC-98085



## Basic Information

Catalog Number:

APC-98085

Size:

100 tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC010140

GeneID (NCBI):

7132

UNIPROT ID:

P19438

Full Name:

tumor necrosis factor receptor  
superfamily, member 1A

Calculated MW:

455 aa, 50 kDa

Purification Method:

Protein A purification

CloneNo.:

241337H6

Excitation/Emission maxima  
wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

Tumor necrosis factor (TNF) is a multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis (PMID: 16407280). TNF exists in soluble and membrane-bound forms. TNF signals through two distinct cell surface receptors, TNFR1 (TNFRSF1A, CD120a) and TNFR2 (TNFRSF1B, CD120b). Whereas TNFR1 is widely expressed, expression of TNFR2 is limited to cells of the immune system, endothelial cells, and nerve cells (PMID: 22053109). TNFR1, which contains a death domain (DD) within its intracytoplasmic region, is thought to be the key receptor for TNF signaling (PMID: 16407280). This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor.

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

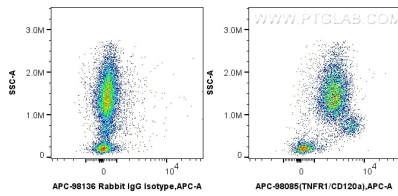
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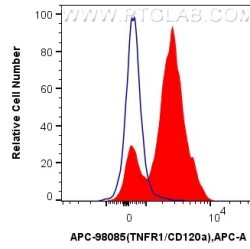
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## Selected Validation Data



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human TNFR1/CD120a Rabbit RecAb (APC-98085, Clone: 241337H6) or APC Rabbit IgG Isotype Control RecAb (APC-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human TNFR1/CD120a Rabbit RecAb (APC-98085, Clone: 241337H6) (red) or APC Rabbit IgG Isotype Control RecAb (APC-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.