

For Research Use Only

# CoraLite® Plus 647-conjugated TNFR2/CD120b Polyclonal antibody

Catalog Number: CL647-19272

Featured Product



## Basic Information

### Catalog Number:

CL647-19272

### Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5866

### GenBank Accession Number:

BC052977

### GeneID (NCBI):

7133

### UNIPROT ID:

P20333

### Full Name:

tumor necrosis factor receptor  
superfamily, member 1B

### Calculated MW:

48 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IF/ICC: 1:50-1:500

### Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

### Tested Applications:

IF/ICC

### Species Specificity:

human

### Positive Controls:

IF/ICC : THP-1 cells,

## Background Information

Tumor necrosis factor-alpha (TNFA/TNFSF2) is a multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis (PMID: 16407280). TNFA signals through two distinct cell surface receptors, TNFR1 (TNFRSF1A, CD120a, p55) and TNFR2 (TNFRSF1B, CD120b, p75). TNFR1 is widely expressed, whereas TNFR2 exhibits more restricted expression, being found on CD4 and CD8 T lymphocytes, endothelial cells, microglia, oligodendrocytes, neuron subtypes, cardiac myocytes, thymocytes and human mesenchymal stem cells (PMID: 20489699; 22374304). In contrast to TNFR1, TNFR2 does not have a death domain. TNFR2 only signals for antiapoptotic reactions. However, recent evidence indicates that TNFR2 also signals to induce TRAF2 degradation (PMID: 22374304). Various defects in the TNFR2 pathway, due to polymorphisms in the TNFR2 gene, upregulated expression of TNFR2 and TNFR2 shedding, have been implicated in the pathology of several autoimmune disorders (PMID: 20489699).

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

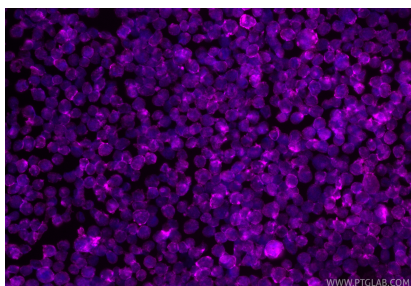
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol)  
fixed THP-1 cells using CoraLite® Plus 647  
TNFR2/CD120b antibody (CL647-19272) at dilution  
of 1:200.