

For Research Use Only

# CoraLite®594-conjugated TNFR1/CD120a Monoclonal antibody

Catalog Number: CL594-60192

Featured Product



## Basic Information

### Catalog Number:

CL594-60192

### Size:

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

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG16112

### 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

### Observed MW:

50-55 kDa

### Purification Method:

Protein G purification

### CloneNo.:

2A6E3

### Recommended Dilutions:

IF-P 1:50-1:500

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

### Tested Applications:

IF-P

### Species Specificity:

human, mouse, rat, pig

### Positive Controls:

IF-P : human liver cancer tissue,

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

### Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

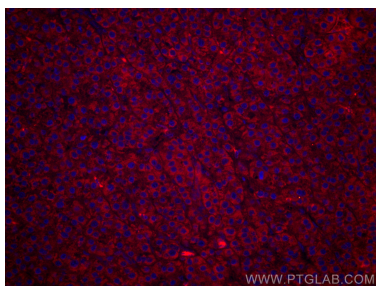
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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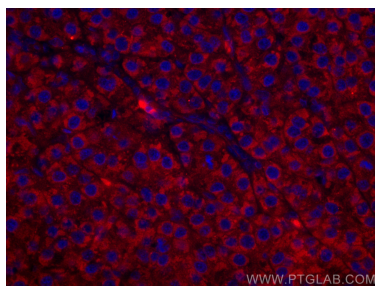
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite®594 TNFR1/CD120a antibody (CL594-60192, Clone: 2A6E3 ) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite®594 TNFR1/CD120a antibody (CL594-60192, Clone: 2A6E3 ) at dilution of 1:200.