

CoraLite® Plus 488-conjugated TNFR1/CD120a Monoclonal antibody

Catalog Number: **CL488-60192**

Basic Information

Catalog Number:

CL488-60192

Size:

1000 µg/ml

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:**

493 nm / 522 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- κ B, 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:

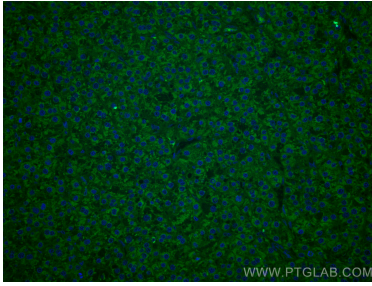
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

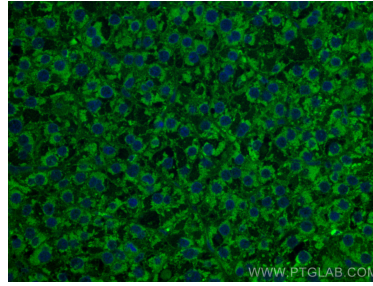
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite® Plus 488 TNFR1/CD120a antibody (CL488-60192, Clone: 2A6E3) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite® Plus 488 TNFR1/CD120a antibody (CL488-60192, Clone: 2A6E3) at dilution of 1:200.