

For Research Use Only

# CoraLite® Plus 750-conjugated TNFR2 Recombinant antibody



Catalog Number: CL750-83101

## Basic Information

Catalog Number:

CL750-83101

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC052977

GeneID (NCBI):

7133

UNIPROT ID:

P20333

Full Name:

tumor necrosis factor receptor  
superfamily, member 1B

Calculated MW:

48 kDa

Observed MW:

75 kDa, 65 kDa

Purification Method:

Protein A purification

CloneNo.:

230328B6

Recommended Dilutions:

WB 1:500-1:2000

Excitation/Emission maxima  
wavelengths:

755 nm / 780 nm

## Applications

Tested Applications:

WB

Species Specificity:

human

Positive Controls:

WB : THP-1 cells, K-562 cells, U-937 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.

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:

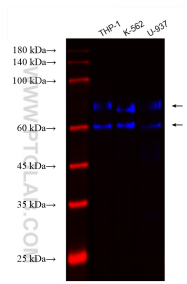
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-83101 (TNFR2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.