

# CoraLite®555-conjugated TNF Alpha Monoclonal antibody

Catalog Number: **CL555-69002**

## Basic Information

**Catalog Number:**

CL555-69002

**Size:**100ul , Concentration: 1000 µg/ml by  
Nanodrop;**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

HZ-1014

**GenBank Accession Number:****GeneID (NCBI):**

7124

**ENSEMBL Gene ID:**

ENSG00000232810

**Full Name:**tumor necrosis factor (TNF  
superfamily, member 2)**Purification Method:**

Protein G purification

**CloneNo.:**

11H8A5

**Excitation/Emission maxima  
wavelengths:**

557 nm / 570 nm

## Applications

**Tested Applications:****Species Specificity:**

Human

## Background Information

TNF, as also known as TNF-alpha, or cachectin, is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. It is expressed as a 26 kDa membrane bound protein and is then cleaved by TNF-alpha converting enzyme (TACE) to release the soluble 17 kDa monomer, which forms homotrimers in circulation. It is produced chiefly by activated macrophages, although it can be produced by many other cell types such as CD4+ lymphocytes, NK cells, neutrophils, mast cells, eosinophils, and neurons. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, INS resistance, and cancer.

This antibody can be used to neutralize the bioactivity of TNF alpha.

## 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:

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