

For Research Use Only

# CoraLite® Plus 488-conjugated OGT Recombinant antibody



Catalog Number: **CL488-83113**

## Basic Information

**Catalog Number:**

CL488-83113

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2160

**GenBank Accession Number:**

BC014434

**GeneID (NCBI):**

8473

**UNIPROT ID:**

O15294

**Full Name:**

O-linked N-acetylglucosamine  
(GlcNAc) transferase (UDP-N-  
acetylglucosamine:polypeptide-N-  
acetylglucosaminyl transferase)

**Calculated MW:**

1046 aa, 117 kDa

**Observed MW:**

110 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

230385D11

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC, FC (Intra)

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF/ICC : Hela cells,

## Background Information

O-linked N-acetylglucosamine transferase (OGT) catalyzes the attachment of N-acetylglucosamine (GlcNAc) monosaccharides to the hydroxyl group of serine or threonine residues of numerous nuclear and cytoplasmic proteins and may play important roles in a large number of diverse intracellular processes ranging from translational control, transcription, transcriptional repression, INS resistance and regulation of the cell cycle. It exists as a heterotrimeric complex with two 110 kDa and one 70 kDa subunits. Recent studies have shown that O-GlcNAcylation plays essential roles in cancer formation and progression. O-GlcNAcylation as well as OGT expression was found to be significantly elevated in the cancer tissues.

## 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

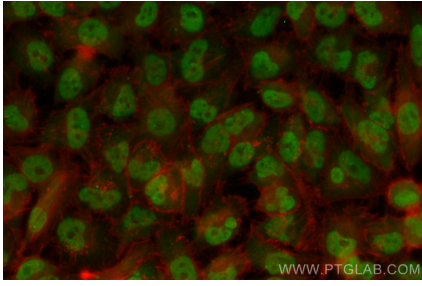
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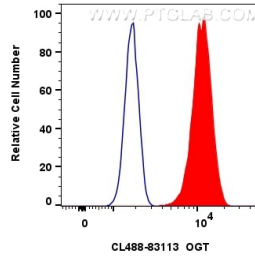
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 OGT antibody (CL488-83113, Clone: 230385D11) at dilution of 1:200.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.8 ug Coralite® Plus 488 OGT Recombinant Antibody (CL488-83113, Clone:230385D11)(red), or 0.8 ug Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).