

For Research Use Only

# CoraLite®555-conjugated EXOSC2 Monoclonal antibody

Catalog Number:CL555-66099



## Basic Information

Catalog Number:

CL555-66099

Size:

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

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7003

GenBank Accession Number:

BC000747

GeneID (NCBI):

23404

UNIPROT ID:

Q13868

Full Name:

exosome component 2

Calculated MW:

33 kDa

Observed MW:

33 kDa

Purification Method:

Protein A purification

CloneNo.:

1G8B1

Excitation/Emission maxima  
wavelengths:

557 nm / 570 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

## Background Information

In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snoRNA and snRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs [PMID:15346807]. EXOSC2 is a non-catalytic component of the RNA exosome complex that has 3'→5' exoribonuclease activity and involves in a multitude of cellular RNA processing and degradation events [PMID: 17545563].

## 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

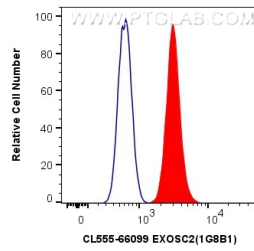
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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite®555 Anti-Human EXOSC2 (CL555-66099, Clone:1G8B1) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).