

For Research Use Only

# CoraLite®594-conjugated STAR Monoclonal antibody



Catalog Number:CL594-67130

## Basic Information

<b>Catalog Number:</b> CL594-67130	<b>GenBank Accession Number:</b> BC010550	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6770	<b>CloneNo.:</b> 1G6E6
<b>Source:</b> Mouse	<b>Full Name:</b> steroidogenic acute regulatory protein	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 285 aa, 32 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG28698	<b>Observed MW:</b> 28-32 kDa	

## Applications

### Tested Applications:

FC (Intra), IF

### Species Specificity:

Human, rat, pig, mouse

### Positive Controls:

IF : mouse testis tissue,

## Background Information

Steroidogenic acute regulatory protein (StAR) is a key player in acute regulation of hormone-induced steroidogenesis, by facilitating cholesterol transport from cellular stores to inner mitochondria membrane where the cholesterol was converted to pregnenolone. StAR is prevalently expressed in mitochondria of steroid-producing adrenal and gonadal tissue

## 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

\*\*\* 20ul sizes contain 0.1% BSA

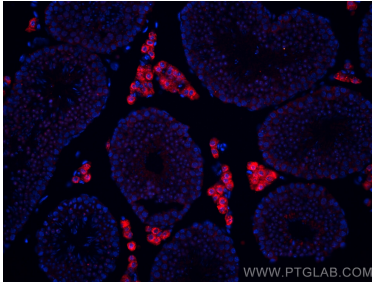
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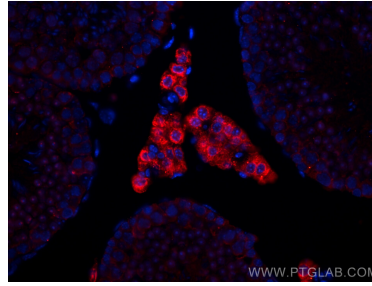
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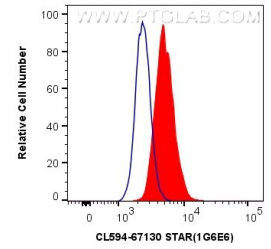
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite®594 STAR antibody (CL594-67130, Clone: 1G6E6) at dilution of 1:200.



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1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human STAR (CL594-67130, Clone:1G6E6) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).