

For Research Use Only

# CoraLite® Plus 488-conjugated HSD17B4 Recombinant monoclonal antibody

Catalog Number: CL488-86334-2



## Basic Information

<b>Catalog Number:</b> CL488-86334-2	<b>GenBank Accession Number:</b> BC003098	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3295	<b>CloneNo.:</b> 251058E1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P51659	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> hydroxysteroid (17-beta) dehydrogenase 4	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG7165	<b>Calculated MW:</b> 80 kDa	
	<b>Observed MW:</b> 75 kDa, 45 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human, mouse	

## Background Information

HSD17B4 (17-beta-hydroxysteroid dehydrogenase 4) is also named as Peroxisomal multifunctional enzyme type 2, D-bifunctional protein or multifunctional protein 2. It codes for a 80 kDa enzyme containing three distinct functional domains and is localized in peroxisomes. It is a bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids and catalyzing the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. After peroxisomal import, the full-length protein is proteolytically cleaved to yield a 35-kDa dehydrogenase subunit and a 45-kDa hydratase subunit containing the hydratase and SCP domains (PMID: 28868548, 24602372).

## 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, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 HSD17B4 antibody (CL488-86334-2, Clone: 251058E1) at dilution of 1:200.