

For Research Use Only

HSD17B4 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 60951-1-PBS



Basic Information

Catalog Number: 60951-1-PBS	GenBank Accession Number: BC003098	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3295	CloneNo.: 1A3H11
Source: Mouse	UNIPROT ID: P51659	
Isotype: IgG2a	Full Name: hydroxysteroid (17-beta) dehydrogenase 4	
Immunogen Catalog Number: AG7221	Calculated MW: 80 kDa	
	Observed MW: 80 kDa, 45 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

60951-1-PBS targets HSD17B4 as part of a matched antibody pair:

MP51363-1: 60951-1-PBS capture and 60951-2-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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).

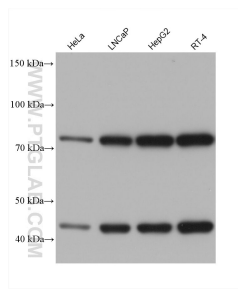
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

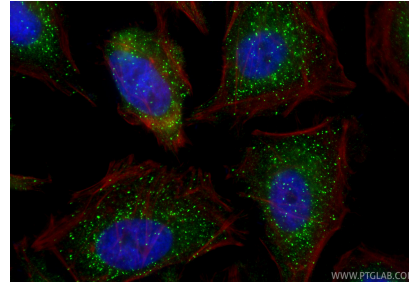
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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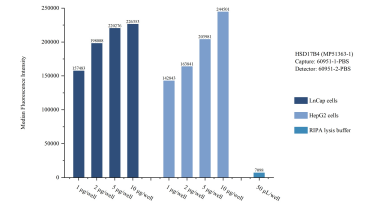
Selected Validation Data



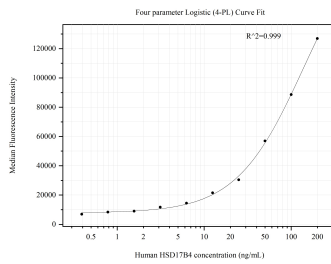
Various lysates were subjected to SDS PAGE followed by western blot with 60951-1-Ig (HSD17B4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60951-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HSD17B4 antibody (60951-1-Ig, Clone: 1A3H11) at dilution of 1:2000 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red). This data was developed using the same antibody clone with 60951-1-PBS in a different storage buffer formulation.



Sample test of MP51363-1, HSD17B4 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60951-1-PBS. Detection antibody: 60951-2-PBS.



Cytometric bead array standard curve of MP51363-1, HSD17B4 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60951-1-PBS. Detection antibody: 60951-2-PBS. Standard: Ag7221. Range: 0.391-200 ng/mL.