

# Anti-Isovaleryl-CoA dehydrogenase / IVD antibody



Catalog Number: 106063

## Product name

Monoclonal

Anti-Isovaleryl-CoA dehydrogenase / IVD antibody

## Ig Type

## Immunogen

Mouse IgG2b

[Human Isovaleryl-CoA dehydrogenase / IVD \(aa 30-423, His Tag\) recombinant protein](#)

## Applications

ELISA, WB, IF, ICC/IF

## Specificity

Human Isovaleryl-CoA dehydrogenase / IVD  
**No cross-reactivity** in ELISA with Insect cell lysate

## Dilutions

WB: 5-10 µg/mL

ELISA: 0.5-1 µg/mL

## Antibody description

Mouse monoclonal to Isovaleryl-CoA dehydrogenase / IVD

This antibody can be used at 0.5-1 µg/mL with the appropriate secondary reagents to detect Human Isovaleryl-CoA dehydrogenase / IVD. The detection limit for Human Isovaleryl-CoA dehydrogenase / IVD is approximately 0.078 ng/well.

## Preparation

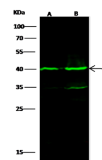
This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Isovaleryl-CoA dehydrogenase / IVD (rh Isovaleryl-CoA dehydrogenase / IVD; AAH17202.1; His30-His423). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.

ICC/IF: 10-25 µg/mL

## Formulation

0.2 µm filtered solution in PBS with 5% trehalose

## Validations



Items	Lanes	A	B
Sample (whole cell lysate)		Junkat	Hela
Sample Volume (µg/lane)		30	30
Gel	13% SDS-PAGE reducing gel		
Recommended Concentration	5-10 µg/ml		
Secondary Antibody	Dylight 800 labeled Antibody To Mouse IgG (H+), at 1/5000 dilution.		
Developed using Odyssey imaging system.			
Explanation	Predicted band size: 47 kDa Observed band size: 40 kDa Additional bands at: 33 kDa (We are unsure as to the identity of the extra band. It may be a non-specific binding).		

## Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.

Preservative-Free.

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

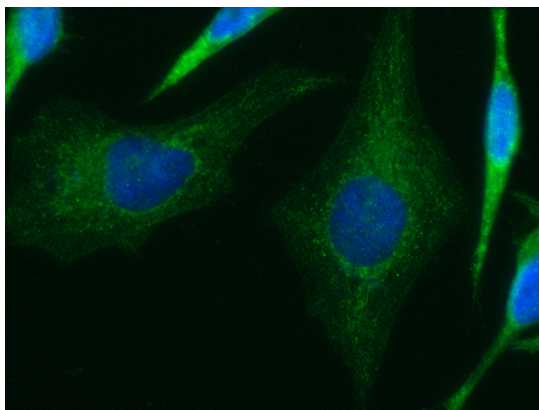
Isovaleryl-CoA dehydrogenase / IVD Antibody, Mouse MAB, Western blot

## Clonality

# Anti-Isovaleryl-CoA dehydrogenase / IVD antibody



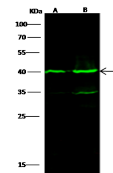
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Isovaleryl-CoA dehydrogenase / IVD Antibody, Mouse MAb, Immunofluorescence

Immunofluorescence staining of Human IVD in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with

Mouse anti-Human IVD monoclonal antibody (15 µg/ml) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining



Lanes	A	B
Items		
Sample (Whole cell lysate)	Jurkat	HeLa
Sample Volume (µg/lane)	30	30
Gel	13% SDS-PAGE reducing gel	
Recommended Concentration	5-10 µg/ml	
Secondary Antibody	Dylight 800-labeled Antibody To Mouse IgG (H+L), at 1/7500 dilution.	
Developed using Odyssey imaging system.		
Explanation	Predicted band size : 47 kDa Observed band size : 40kDa Additional bands at : 33 kDa (We are unsure as to the identity of this extra band.)	

was localized to cytoplasm.

Isovaleryl-CoA dehydrogenase / IVD Antibody, Mouse MAb, Western blot