



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05674-B - Goat Anti-ACADM, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ACADM, acyl-CoA dehydrogenase, C-4 to C-12 straight chain, ACAD1, MCAD, MCADH, acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain, FLJ18227, FLJ93013, FLJ99884, medium-chain acyl-CoA dehydrogenase, medium-chain specific acyl-CoA dehydrogenase

**Official Symbol:** ACADM

**Accession Number(s):** NP\_000007.1; NP\_001120800.1; NP\_001272971.1;  
NP\_001272972.1; NP\_001272973.1

**Human GeneID(s):** [34](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_000007.1; NP\_001120800.1).

### Immunogen

Peptide with sequence C-RLIVAREHIDKYKN., from the C Terminus of the protein sequence according to NP\_000007.1; NP\_001120800.1; NP\_001272971.1; NP\_001272972.1; NP\_001272973.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

**Western blot:** Approx 45kDa band observed in Human Heart lysates (calculated MW of 46.6kDa according to NP\_000007.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 2-4µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

Biotinylated EB05674 (3µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.