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YB93071Mu01

Carbonic Anhydrase IV (CA4)

Organism: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

5th Edition (Revised in January, 2013)

### [ DESCRIPTION ]

Protein Names: Carbonic Anhydrase IV

Synonyms: CA4, Car4

Species: Mouse

Size: 100-g

Source: Escherichia coli-derived

Subcellular Location: Cell membrane; Lipid-  
anchor, GPI-anchor.

### [ PROPERTIES ]

Residues: Gly21~Ser216 (Accession # Q64444),  
with N-terminal His-Tag.

Grade & Purity: >95%, 25kDa as determined by  
SDS-PAGE reducing conditions.

Formulation: Supplied as lyophilized form in PBS,  
pH 7.4, containing 5% sucrose, 0.01% sarcosyl.

Endotoxin Level: <1.0 EU per 1μg (determined by  
the LAL method).

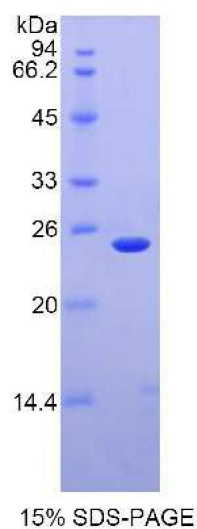
Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 23.5kDa

Predicted isoelectric point: 7.8

Mouse CA4





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#### [ PREPARATION ]

Reconstitute in sterile PBS, pH7.2-pH7.4.

#### [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

#### [ SEQUENCES ]

The target protein is fused with N-terminal His-Tag, its sequence is listed below.

MGHHHHHSGSEF-      GWCYEIQTKD      PRSSCLGPEK      WPGACKENQQ      SPINIVTART  
KVNPRLTPIF L VGYDQKQQW PIKNNQHTVE MTLGGGACII GGDLPARYEA VQLHLHWSNG  
NDNGSEHSID GRHFAMEMHI VHKKLTSSKE DSKDKFAVLA FMIEVGDKVN KGFQPLVEAL  
PSISKPHSTS TVRESSLQDM LPPSTKMYTY FRYNGS

**Unique product Superb quality Client favorite Nicest service** **ISO9001:2008**; **ISO13485:2003**;

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