



TEL:4006-871-227 Web:www.ybio.net Email:shybio@126.com

YB90782Si01

Carbonic Anhydrase II (CA2)

Organism: Rhesus monkey (Simian)

Instruction manual

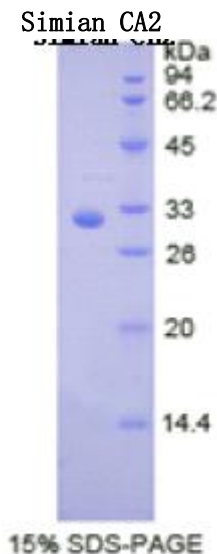
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NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

5th Edition (Revised in January, 2013)

[DESCRIPTION]

Protein Names: Carbonic Anhydrase II



Synonyms: CA2

Species: Simian

Size: 100μg

Source: *Escherichia coli*-derived

[PROPERTIES]

Residues: Met1~Lys260 (Accession # H9FZI2), with N-terminal His-Tag.



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Grade & Purity: >95%, 32kDa 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 1 μ g (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: 30.8kDa

Predicted isoelectric point: 7.0



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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.

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MGHHHHHSGSEF-      MSHHWGYGKH      NGPEWHHKDF      PIAKGQRQSP      VDIDTHTAKY
DPSLKPLSVS YDQATSLRIL NNGHSFNVEF DDSQDKAVIK GGPLDGTYRL IQFHFHWGSL
DGQGSHTVD KKKYAAELHL VHWNTKYGDF GKAVQQPDGL AVLGIFLKV GSAKPGLQKV
DVLDSIKTKG KSADFTNFDP RGLLPESLDY WTYPGSLTTP PLLEC VTWIV LKEPISVSSE
QMSKFRKLN FNGEGEPEELM VDNWRPAQPL KNRQIKASFK
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