YBB793Bo01 50µg

Recombinant S100 Calcium Binding Protein A9 (S100A9)

Organism Species: Bos taurus; Bovine (Cattle)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[<u>PROPERTIES</u>]

Residues: Ile12~Ala89

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: P28783

Host: *E. coli*

Subcellular Location: Secreted, Cytoplasm, cytoskeleton, Cell membrane, Peripheral membrane protein.

Purity: >95%

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

Formulation: Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 5.6

Predicted Molecular Mass: 12.9kDa

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

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

15% SDS-PAGE
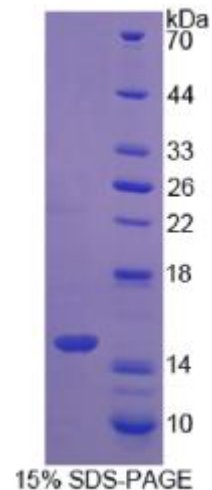
[<u>USAGE</u>]

Reconstitute in sterile ddH$_2$O.

[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 sequence of the target protein is listed below.

IETIINIFH QYSVRLGHYD TLIQKEFKQL VQKELPNFLK KQKKNEAAIN EIMEDLDTNV DKQLSFEEFI MLVARLTVA

[REFERENCES]

1. Tang T.K., *et al.* (1993) J. Cell Sci. 104:237-247.

2. Dianoux A.-C., *et al.* (1992) Biochemistry 31:5898-5905.

3. NIH - Mammalian Gene Collection (MGC) project. (2006) Submitted to the EMBL/GenBank/DDBJ databases.