

BA1009S**Chicken Desmin - Purified****Alternate names:**

DES

Quantity:

0.1 mg

Concentration:

1.0 mg/ml.

Background:

Desmins belongs to the intermediate filament family, and are class III intermediate filaments found in muscle cells. In adult striated muscle they form a fibrous network connecting myofibrils to each other and to the plasma membrane from the periphery of the Z line structures. Defects in Desmin are the cause of desmin related cardio skeletal myopathy (CSM) also known as desmin related myopathy (DRM). CSM is characterized by skeletal muscle weakness associated with cardiac conduction blocks, arrhythmias, restrictive heart failure, and by intracytoplasmic accumulation of desmin reactive deposits in cardiac and skeletal muscle cells. A desmin related myopathy can have a distal onset, it is then known as hereditary distal myopathy (HDM). Defects in Desmin are also the cause of dilated cardiomyopathy type 1I (CMD1I). CMD1I is an autosomal form of dilated cardiomyopathy characterized by ventricular dilatation and impaired systolic function. Antidesmin antibodies are useful in identification of tumours of myogenic origin.

Uniprot ID:[P02542](#)**NCBI:**[9031](#)**Species:**

Chicken

Source:

Stomach

Format:**State:** Lyophilized**Purity:** >98% pure as determined by SDS-PAGE**Buffer System:** 10mM Sodium Phosphate, pH 7.5, 6M urea, 2mM DDT, 1mM EDTA**Reconstitution:** Restore with distilled water.

BA1009S: 100 µl (final volume 100 µl).

BA1009 : 250 µl (final volume 250 µl).

Applications:

Protein standard in 1D and 2D SDS gel electrophoresis.

Immunoassay.

Antigen for immunization.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description:

Purified Chicken Desmin.

Molecular weight: 53 kDa**Add. Information:****Isoelectric point:** pI 5.4**Storage:**

Store lyophilized product at 2-8°C .

After reconstitution store at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Geisler N, Weber K. Purification of smooth-muscle desmin and a protein-chemical comparison of desmins from chicken gizzard and hog stomach. *Eur J Biochem.* 1980 Oct;111(2):425-33. PubMed PMID: 7460905.