

Product Specification Sheet

Bovine Pancreatic Deoxyribonuclease 1 (DNase 1) Antibodies

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| <input type="checkbox"/> Cat # DNASE11-A | Rabbit Anti-bovine DNase 1, purified IgG # 1 | SIZE: 100 ul |
| <input type="checkbox"/> Cat # DNASE11-C | Purified Bovine DNase 1 protein Western blot positive control | SIZE: 100 ul |

Source of Antigen and Antibodies

Antigen	Purified bovine pancreatic DNase 1 (EC 3.1.21.1)
Ab Host/type	Rabbit, Polyclonal purified IgG, purified over antigen-agarose (Cat # DNASE11-A)
2-Ab	Goat Anti-rabbit IgG-HRP cat # 20320 (AP, biotin, FITC conjugates also available)
-ve control IgG	# 20009-1, Rabbit (non-immune) IgG, purified, suitable for ELISA, Western, IHC as -ve control

Purified bovine DNase-I protein or Western blot +ve control (**Cat # DNASE11-C**) is supplied in SDS-PAGE sample buffer (reduced). Load 10 ul/lane of **DNASE11-C** for good visibility with antibody Cat # **DNASE11-A**. Store at -20oC in suitable size aliquots. SDS may crystallize in cold conditions. It should redissolve by warming before taking it from the stock. It should be heated once prior to loading on gels. If the product has been stored for several weeks, then it may be preferable to add 5 ul of fresh 2x sample buffer per 10 ul of the **DNASE11-C** solution prior to heating and loading on gels. This preparation is not biologically active. It is not suitable for ELISA or other applications where native protein is required. Do not freeze, thaw, or heat repeatedly

Form & Storage of Antibodies/Peptide Control

Affinity pure IgG

- 100 ul
 solution lyophilized powder
 Buffer: PBS+0.05% azide
Reconstitute powder 100 ul of PBS.

WB + Protein Controls

- 100 ul solution
 Buffer: SDS-PAGE sample buffer (reduced)

Storage

Short-term: unopened, undiluted vials for less than a week at 4oC.

Long-term: at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20oC or below.

Shipping: 4oC for solutions and room temp for powder.

Recommended Secondary Antibodies:

Cat # 30220 **Rabbit Anti-Goat IgG (H+L chain sp.)-HRP conjugate**

-ve control IgG: Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

Recommended Usage

Western Blotting: An initial dilution of 1:500-2K is recommended for Western. Users must optimize antibody dilution depending upon the nature of samples and other technical conditions.

ELISA (1:10-50K; using 50-100 ng antigen/well).

Histochemistry & Immunofluorescence: not tested. An initial dilution of 1:500 is recommended for IHC (frozen and formalin-fixed tissues may require boiling in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at room temp for 30 min) . Users must optimize antibody dilution depending upon the nature of samples and other technical conditions.

Specificity & Cross-reactivity

Anti-bovine DNase I is expected to crossreact with other mammalian DNases from mouse, rat, and human. Antibody crossreactivity in various species is not known. Purified DNase I is available to optimize antibody dilutions and confirm antibody activity.

*This product is for In vitro research use only.

Related material available from ADI

Antibodies to MGMT, hNTH, DNase, XRCC1, hOGG1, etc are available.

Anti-Rabbit IgG-HRP Conjugate and ECL Reagents

Western Blot Recycling Kit (Strips blots in 5 minutes) and re-use the same blot with multiple antibodies

DNASE11-A-C 120504A

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