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Histone Bovine

Bovine Histone
RCP1022

Product Overview

Name	Histone Bovine

Description

Bovine Histone

Introduction

Histone is vastly alkaline protein exists in eukaryotic cell nuclei which set and direct the DNA into structural units named nucleosomes. 5 key families of histones are: H1/H5, H2A, H2B, H3, including H4. The core histones are H2A, H2B, H3 and H4, whereas histones H1/H5 are identified as the linker histones. Moreover the dynamics of chromatin structure depend on posttranslational modification of histones in addition to the appearance of different histone variants. Histone H3 as well as H4 are modified covalently at several residues. The histone code is constitute by these and the H2A/H2B modifications.

Source

Bovine tissues.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Histone Bovine is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Immunological functions

1. Binds IgG type human auto antibodies. 2. Checkerboard/immunodot analysis of positive/negative samples.

Coating concentration

0.2-0.5 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for labeling of functional groups.

Precautions

Histone Bovine is for research use only and not for use in diagnostic or therapeutic procedures.

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