

## Anti-Histone H3 [4A1] Bulk Size Ab00930-2.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgE format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** 4A1

**Alternative Name(s) of Target:** P84228; P84244; P68433

**UniProt Accession Number of Target Protein:**

**Published Application(s):** immunoblot, SDS-PAGE, ELISA

**Published Species Reactivity:** Bovine, Mouse

**Immunogen:** This antibody was derived from spleen cells isolated from NC/Nga mice, which spontaneously develop severe atopic-like dermatitis and a strong associated serum IgE response under conventional conditions.

**Specificity:** This antibody binds auto-antigen histone H3, and cross-reacts with bovine H3.

**Application Notes:** The binding specificity of this antibody for histone H3 has been confirmed in SDS-PAGE, immunoblot and ELISA experiments (Matsubara et al, 2009).

**Antibody First Published in:** Matsubara et al. Serum and monoclonal immunoglobulin E antibodies from NC/Nga mice with severe atopic-like dermatitis recognize an auto-antigen, histone H3. Clin Exp Allergy. 2009 Apr;39(4):579-90 [PMID:19226275](#)

**Note on publication:** Describes the original generation of this antibody.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.