



PRODUCT DATA SHEET

Product: Anti-Hexahistidine, Polyclonal

Cat. No.: PC-272 (1.0 mg)

Procedure:

Chickens were immunized with HHHHHH peptide conjugated to KLH. After multiple immunizations in Freund's adjuvant, eggs were collected and the immunoglobulin fraction prepared. Antibody was immunoaffinity-purified using the peptide immobilized on a solid support.

Host: Chicken

Specification:

ELISA: Antibody specificity was verified by ELISA against peptide conjugated to BSA (HHHHHH-BSA). A 1:8,000 dilution of the antibody gave an OD = 1.0 in a 15 minute reaction using HRP-conjugated goat anti-chicken IgY (IgG) at 1:10,000 and TMB as the substrate. Appropriate specificity controls were run.

Western Blot: 293T cells were transfected with three different constructs of differing sizes. Whole cell extracts were analyzed and the results compared with lysates from non-transfected cells. The anti-6HIS was an effective antibody at 1:1,000 dilution (1 µg/ml) using HRP-conjugated goat anti-chicken IgY (IgG) at 1:5,000. The Western blots probed with this antibody are very sharp and clear with extremely low background and no non-specific binding with lysates from untransfected cells.

Format:

Liquid. Affinity-purified antibody in PBS pH 7.2 and 0.1% sodium azide.

Storage and Stability:

Store at +4°C.

Applications and Suggested Dilutions:

- ELISA: Use at 1:8,000
- Western blot: Use at 1:1,000

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.