

## Mouse Anti Goose IgY Monoclonal Antibody(Light chain)

**Cat. number:** K20014M

**Quantity size:** 1mg/5mg/10mg

**Concentration:** 2mg/ml buffer=0.01M PBS (pH7.2-7.4)with 0.03% Proclin300.

**Storage:** Shipped at 4°C, Store at -20°C (Avoid repeated freeze/thaw cycles).

### Background:

Immunoglobulin Y is the functional equivalent to Immunoglobulin G (IgG). Like IgG, it is composed of two light and two heavy chains. Structurally, these two types of immunoglobulin differ primarily in the heavy chains, which in IgY have a molecular mass of about 65,100 atomic mass units (amu), and are thus larger than in IgG. The light chains in IgY, with a molar mass of about 18,700 amu, are somewhat smaller than the light chains in IgG. The molar mass of IgY thus amounts to about 167,000 amu. The steric flexibility of the IgY molecule is less than that of IgG. Functionally, IgY is partially comparable to Immunoglobulin E (IgE), as well as to IgG.

**Specificity:** Mouse monoclonal IgG.

**Species reactivity:** Goose.

**Immunogen:** Goose IgY.

**Purification:** Affinity purification.

**Predicted Molecular Weight:**160kDa.

**Clone ID:**9E4

### Application:

WB 1:500-10000.;ELISA 1:10000-100000.

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

### Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.