



Anti-IgM, Human, Chicken-Polyclonal Antibody

Catalog No. PY-10130 **Quantity:** 100µg **Applications tested:** Western blot
Antigen species: Human **Reactivity:** Human, mouse, rat
Host species: Chicken **Form:** Antigen affinity purified antibody

Target description

The most important weapon in the defense of diseases in the human organism are Y-shaped antibodies, the so-called immunoglobulins (Ig). Many quintillions of antibodies with more than a trillion different specificities are found in the blood of the human body. These subdivide themselves - as within all mammals - into five different antibody types: IgM, IgG, IgA, IgD and IgE. Every class has its own particular characteristic that makes it possible to adopt a certain defense function.

Antigen

This polyclonal antibody was raised by immunizing chicken with Full-length of plasma protein.

Application

Western blotting, tissue or cell immunostaining, and ELISA. Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining is 1:200. Optimal working dilutions must be determined by the end user.

Related Products

1. Anti- IgE, pAb (PY-10111)
2. Anti-IgA, pAb (PY-10126)
3. Anti-IgG Fc frag, pAb (PY-10127)
4. Anti-IgG mouse, pAb (PY-10128)
5. Anti-IgG mouse, pAb (PG-10011)
6. Anti-IgG human, pAb (PG-10012)



Human plasma protein as test antigen.

Western blot protocol

1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
2. Incubate membrane with IgY antibodies at dilution of 1: 500 with 1% milk in PBS-T at R.T. for 1 h.
3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
4. Incubate with 2nd antibody (goat-anti-IgY/Fc-HRP) at dilution 1: 1,000 for ECL (with 1% milk PBS-T) at R.T. for 1 h.
5. Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
6. Perform ECL detection of signal using Pierce ECL kit.

Storage

It is supplied as antigen affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1xPBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1. McKelvey EM, Fahey JL. Immunoglobulin changes in disease: quantitation on the basis of heavy polypeptide chains, IgG (gammaG), IgA (gammaA), and IgM (gammaM), and of light polypeptide chains, type K (I) and type L (II). J Clin Invest. 44(11):1778-87(1965).
2. Alepa FP. Antigenic factors characteristic of human immunoglobulin G, detected in the sera of non-human primates. Primates Med. 1(0): 1-9(1968).