Anti-CD14(a.a.40-230), Chicken-Polyclonal Antibody

Catalog No. PY-10192   **Quantity:** 100μg   **Applications tested:** Western blot
Antigen species: Human   **Reactivity:** Human
Host species: Chicken   **Form:** Antigen affinity purified antibody

Target description

CD14 is a surface protein preferentially expressed on monocytes/macrophages. It binds lipopolysaccharide binding protein and recently has been shown to bind apoptotic cells.

Antigen

This polyclonal antibody was raised by immunizing chicken with human CD14 fusion protein (40-230 amino acids).

Application

Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining is 1:200.

Related Products

1. Anti- CD14(a.a.7-131), Chicken pAb (PY-10304).

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: 2,000 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 1h.
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 (1×PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1. Devitt, A.; Moffatt, O. D.; Raykundalia, C.; Capra, J. D.; Simmons, D. L.; Gregory, C. D.: Human CD14 mediates recognition and phagocytosis of apoptotic cells. Nature 392: 505-509, 1998.