



## Anti-CD14(a.a.7-131), Chicken-Polyclonal Antibody

**Catalog No.** PY-10304      **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 (7-131 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.40-230), Chicken pAb (PY-10192).

kDa

47 —

31 —

24 —

14 —

← CD14 fusion protein

### 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: 3,000 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 1:10,000 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.

FOR RESEARCH USE ONLY AND NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE