

# Genesis Biotech Inc.

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## 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**

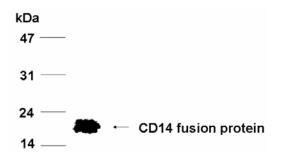
This polyclonal antibody was raised by immunizing chicken with human CD14 fusion protein (7-131 amino acids).

## **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).



#### **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

 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.

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