



## Anti-IgE, Chicken-Polyclonal Antibody

**Catalog No.** PY-10111  
**Antigen species:** Human  
**Host species:** Chicken

**Quantity:** 100 $\mu$ g  
**Reactivity:** Human  
**Form:** Antigen affinity purified Antibody

**Applications tested:** Western Blot

### Target description

IgE is the class of antibodies produced in the lungs, skin, and mucous membranes. It may protect against parasite invasion. But it is a major factor in allergic reactions. The antigen-specific IgE interacts with mast cells and eosinophils, triggers the release of histamine, leukotrienes and other substances that lead to the itching, sneezing and congestion of allergies — and the life-threatening respiratory distress of asthma and anaphylactic shock.

### Antigen

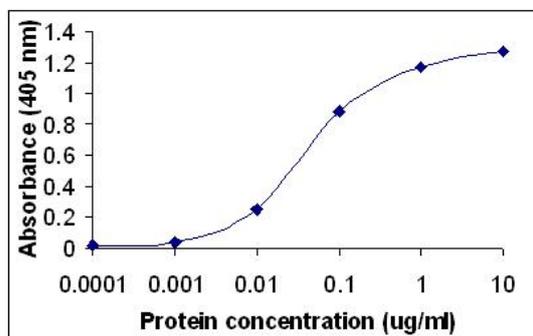
This polyclonal antibody was raised by immunizing chicken with IgE.

### Application

ELISA, Western blotting. Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining is 1:200, for ELISA is 1 $\mu$ g/ml. Optimal working dilutions must be determined by the end user.

### Related Products

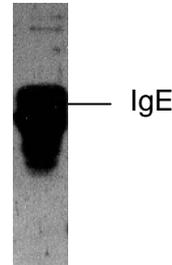
1. Anti- IgA, pAb (PY-10126)
2. Anti-IgG Fc fragment, pAb (PY-10127)
3. Anti-IgG mouse, pAb (PY-10128)
4. Anti-IgM human, pAb (PY-10130)
5. Anti-IgG mouse, pAb (PG-10011)
6. Anti-IgG human, pAb (PG-10012)



### ELISA Standard Curve:

Purified human IgE protein as test antigen. Affipure IgY as primary antibody and Goat anti-IgY-HRP as 2nd antibody. Fixed amount of Ab (1 $\mu$ g/ml) and serial dilutions of antigen.

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



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 (1 $\times$ PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

### References

Flanagan JG & Rabbitts TH The sequence of a human immunoglobulin epsilon heavy chain constant region gene, and evidence for three non-allelic genes. *EMBO J* 1:655-60 (1982).