Erythropoietin, Biotin conjugated

**Background**
Human erythropoietin (EPO) is an acidic glycoprotein hormone with a molecular mass of 21 kDa. As the prime regulator of red cell production, its major functions are to promote erythroid differentiation and to initiate hemoglobin synthesis.

**Immunogen**
Purified, full length recombinant protein P01588

**Host**
Chicken

**Clonality**
Polyclonal

**Purity**
Purified IgY

**Format**
Liquid in 0.15M sodium chloride, 0.02M sodium phosphate, 0.1% sodium azide, pH 7.2

**Quantity**
100 µl (15 mg/ml)

**Storage**
Store at 4°C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.

**Tested applications**
Western blot (WB)

**Related products**
IMS01-114-340 | anti-EPO | Erythropoietin, chicken antibody

**Additional information**
The IgY fraction is isolated by a two-step PEG precipitation procedure followed by ammonium sulphate precipitation. Labelled with biotin.

**Application information**

**Recommended dilution**
1 : 5 000 (WB)

**Expected | apparent MW**
21 | 34 kDa

**Confirmed reactivity**
Human

**Predicted reactivity**
Cat, Dog, Porcine, Rat

**Not reactive in**
No confirmed exceptions from predicted reactivity are currently known.

**Additional information**
Detects a band of approximately 34 kDa due to glycosylation of EPO (predicted molecular weight is 21 kDa (Swiss-prot)).

**Selected references**
to be added when available