# EB07103-T - Goat Anti-CD14 Antibody - Trial

Size: 20µg specific antibody in 40µl


## UK Office

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## Target Protein

**Principal Names:** CD14, CD14 antigen, HGNC:1628
**Official Symbol:** CD14
**Accession Number(s):** NP_000582.1
**Human GeneID(s):** 929

## Immunogen

Peptide with sequence C-KRVDADADPRQYAD, from the internal region of the protein sequence according to NP_000582.1.

Please note the peptide is available for sale.

## Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

## Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.
**Western blot:** Approx 55kDa band observed in Human Peripheral Blood Mononucleocytes (PBM) lysates (calculated MW of 40.1kDa according to NP_000582.1).The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 1-3µg/ml..An additional band of unknown identity was also consistently observed at 15kDa. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature.

## Species Reactivity

**Tested:** Human
**Expected from sequence similarity:** Human

EB07103 (1µg/ml) staining of PBM lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunizing peptide. Detected by chemiluminescence.

EB07103 (4µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**