

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05507 - Goat Anti-AIRE (isoforms 1 and 2) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AIRE, autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy), APS1, APSI, PGA1, APECED, AIRE protein, autoimmune regulator (APECED protein), autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy), autoimmune regulator, AIRE1, OTTHUMP00000109529, autoimmune polyendocrinopathy candidiasis ectodermal dystrophy

**Official Symbol:** AIRE

**Accession Number(s):** NP\_000374.1, NP\_000649.1

**Human GeneID(s):** [326](#)

**Important Comments:** This antibody is expected to recognize isoforms 1 and 2 (NP\_000374.1 and NP\_000649.1 respectively).

### Immunogen

Peptide with sequence C-QSMARPAAPFPS, from the C Terminus of the protein sequence according to NP\_000374.1, NP\_000649.1.

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 60kDa band observed in Human Lymph Node and Human Spleen lysates (calculated MW of 57.7kDa according to NP\_000374.1). Recommended concentration: 0.5-1.5µg/ml. An additional band of unknown identity was also consistently observed at 48kDa. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation was 1 hour.

**IHC:** In paraffin embedded Human Thymic medulla shows staining of select nuclei. Recommended concentration: 2.5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB05507 (0.5µg/ml) staining of Human Lymph Node lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05507 (2µg/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.