



International Office

Everest Biotech Ltd

Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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

EB07585 - Goat Anti-AIRE Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

Official Symbol: AIRE

Accession Number(s): NP_000374.1

Human GenelD(s): [326](#)

Non-Human GenelD(s): 11634 (mouse)

Immunogen

Peptide with sequence C-KAKPPKKPESSAEQ, from the internal region of the protein sequence according to NP_000374.1.

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

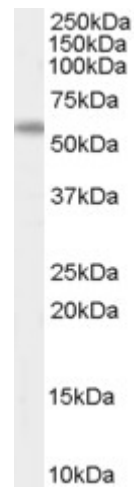
Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx 55kDa band observed in human spleen lysates (calculated MW of 57.7kDa according to NP_000374.1). Recommended concentration: 0.3-1 µg/ml.

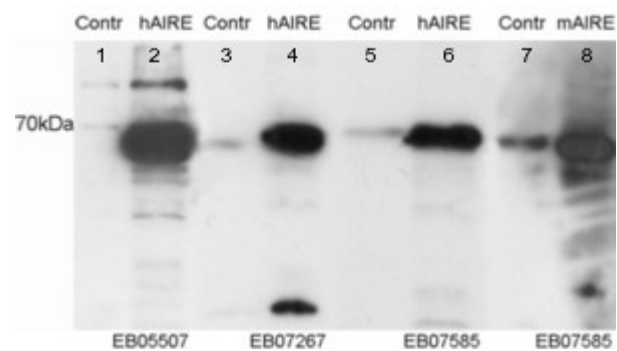
Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Rat, Pig, Cow



EB07585 (0.3 μ g/ml) staining of human spleen lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07585 staining (0.05 μ g/ml) of HEK293 cell lysates. Untransfected (Lane 5 and 7) and transfected with Human AIRE (lane 6) or Mouse AIRE (lane 7). Data kindly provided by Prof. Pärt Peterson, University of Tartu, Estonia.