



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-AIRE Antibody (Cy5.5)

**Product Number:** AC21-0935-11

## Overview

**Host Species:** Goat

**Clonality:** Polyclonal

**Purity:** Affinity purified using the immunizing peptide. The affinity purified antibody is then conjugated to the fluorescent cyanine dye, Cy5.5.

**Conjugate:** Cy5.5

## Physical Characteristics

**Amount:** 0.05 mg

**Volume:** 0.1 ml

**Concentration:** 0.5 mg/ml

**Buffer:** 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**Storage:** Aliquot and store at -20°C. Minimize freezing and thawing.

## Specificity

**Tested Species Reactivity:** Human

**Predicted Species Reactivity:** Human, Rat, Dog, Cow

**Negative Species Reactivity:** Unknown

**Immunogen:** AIRE antibody (Cy5.5) was raised against a synthetic peptide of AIRE. The AIRE peptide immunogen had the following sequence: C-KDVLDLQPRKGRKP AIRE antibody (Cy5.5) is expected to recognize isoform 1 (NP\_000374.1) only.

**Blocking Peptide:** AIRE peptide, catalog number AC21-0935-P, is the immunizing peptide for this product and can be used as a negative control to block antibody (Cy5.5) binding in a competition or adsorption assay.

## Target Information

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

**Gene ID Number(s):** 326 (human)

**Alternative Names:** AIRE; autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy); AIRE1; APECED; APS1; APSI; PGA1; autoimmune regulator (APECED protein); autoimmune regulator (automimmune polyendocrinopathy candidiasis ectodermal dystrophy); autoimmune regulator AIRE



## Application Details

**Tested Applications:** ELISA, WB, IHC

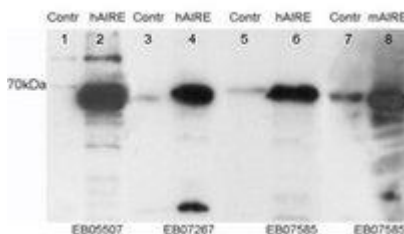
**ELISA:** Detection limit dilution 1:32000.

**Western Blot:** Recommended starting concentration for western blot is 0.5-1.0 $\mu$ g/ml.

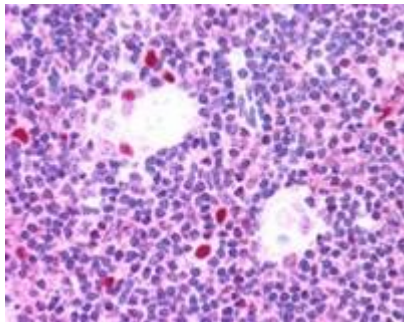
**Immunohistochemistry:** Recommended starting concentration for immunohistochemistry is 2.5 $\mu$ g/ml.

**Immunocytochemistry:** n/a

## Product Images



Western blot using AIRE antibody (unconjugated) (0.05 $\mu$ g/ml) to detect endogenous AIRE in HEK293 cell lysate. Untransfected (Lane 3) and transfected with Human AIRE (lane 4). Data kindly provided by Prof. Pärt Peterson, University of Tartu, Estonia.



Immunohistochemistry staining using AIRE antibody (unconjugated) (2.5 $\mu$ g/ml) to detect endogenous AIRE in paraffin embedded human thymus.