Autoimmune regulator (AIRE) Conjugated Antibody

Catalog No: #C48129

Package Size: #C48129-AF350 100ul #C48129-AF405 100ul #C48129-AF488 100ul #C48129-AF555 100ul #C48129-AF594 100ul #C48129-AF647 100ul #C48129-AF680 100ul #C48129-AF750 100ul #C48129-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Autoimmune regulator (AIRE) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AIRE antibody AIRE_HUMAN antibody AIRE1 antibody APECED antibody APECED protein antibody APS1 antibody APSI antibody Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein antibody Autoimmune regulator antibody Autoimmune regulator protein antibody PGA1 antibody
Accession No.	Swiss-Prot#:O43918
Uniprot	O43918
GeneID	326;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	58 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The Autoimmune Regulator (AIRE) is a human transcription factor expressed at higher level in thymus, pancreas, adrenal cortex, and testis. It is expressed at lower level in the spleen, fetal liver and lymph nodes. It contains zinc finger motifs and isoform 1 is localized to both the nucleus and cytoplasm. Three splice variant mRNAs products have been described. In the thymus it causes transcription of a wide selection of organ-specific genes which create proteins that are usually only expressed in peripheral tissues, creating an "immunological self-shadow" in the thymus. Defects in AIRE are a cause of autoimmune poly-endocrinopathy candidiasis ectodermal dystrophy (APECED), also known as autoimmune polyglandular syndrome type I (APS-1).

Note: This product is for in vitro research use only