



Human AIRE blocking peptide (CDBP0353)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-AIRE (isoforms 1 and 2) antibody
Antigen Description	This gene encodes a transcriptional regulator that forms nuclear bodies and interacts with the transcriptional coactivator CREB binding protein. The encoded protein plays an important role in immunity by regulating the expression of autoantigens and negative selection of autoreactive T-cells in the thymus. Mutations in this gene cause the rare autosomal-recessive systemic autoimmune disease termed autoimmune polyendocrinopathy with candidiasis and ectodermal dystrophy (APECED).
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	AIRE autoimmune regulator [Homo sapiens]
Official Symbol	AIRE
Synonyms	AIRE; autoimmune regulator; APECED, autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy); APS1; autoimmune polyendocrinopathy

candidiasis ectodermal dystrophy; PGA1; autoimmune polyendocrinopathy candidiasis
ectodermal dystrophy protein; APSI; AIRE1; APECED;

Entrez Gene ID	326
mRNA Refseq	NM_000383
Protein Refseq	NP_000374
UniProt ID	O43918
Chromosome Location	21q22.3
Pathway	Primary immunodeficiency, organism-specific biosystem; Primary immunodeficiency, conserved biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem; Ubiquitin mediated proteolysis, conserved biosystem;
Function	DNA binding; chromatin binding; histone binding; identical protein binding; metal ion binding; protein binding; transcription regulatory region DNA binding; translation regulator activity; zinc ion binding;