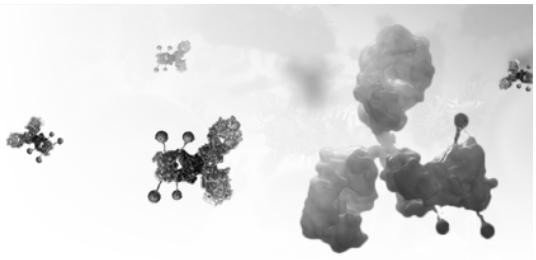

Anti-EDA monoclonal antibody, clone 285928 [Biotin] (DCABY-4334)

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

PRODUCT INFORMATION

Antigen Description	Ectodysplasin (EDA) is a type II transmembrane protein belonging to the TNF superfamily. It can be expressed as eight alternatively spliced isoforms that are encoded by the EDA gene. Isoforms of EDA are expressed in cells of ectodermal origin, where they are localized to the cell surface and can be released in a soluble form following cleavage by Furin. The EDA-A1 and EDA-A2 splice variants differ by the deletion of two amino acids in the extracellular domain of EDA-A2. Despite this minor difference, EDA-A1 and EDA-A2 display strong receptor specificity. EDA-A1 binds to EDAR, whereas EDA-A2 binds to XEDAR. EDA-A1 and EDA-A2 are required during development, and loss or mutation of EDA results in abnormal development of hair follicles, sweat glands, and teeth. Mutations in the EDA gene are associated with a group of developmental disorders identified as ectodermal dysplasia type 1.
Specificity	Detects human EDA/Ectodysplasin (EDA-A1 and EDA-A2) in ELISAs. In sandwich immunoassays, approximately 50% cross-reactivity with recombinant mouse EDA is observed, and no cross-reactivity with recombinant human (rh) TNF-alpha, rhXEDAR, or rhEDAR is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human EDA-A2/Ectodysplasin A2. Ala179-Ser389 (predicted) Accession Number NP_001005609
Isotype	IgG2B
Source/Host	Mouse
Species Reactivity	Human
Clone	285928
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Biotin

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Applications	ELISA Detection (Matched Pair)
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	EDA ectodysplasin A [Homo sapiens (human)]
Official Symbol	EDA
Synonyms	EDA; ectodysplasin A; ED1; HED; EDA1; EDA2; HED1; ODT1; XHED; ECTD1; XLHED; ED1-A1; ED1-A2; EDA-A1; EDA-A2; STHAGX1; ectodysplasin-A; oligodontia 1; X-linked anhidroitic ectodermal dysplasia protein;
Entrez Gene ID	1896
Protein Refseq	NP_001005609
UniProt ID	Q92838
Chromosome Location	Xq12-q13.1
Pathway	Cytokine-cytokine receptor interaction;
Function	protein binding; receptor binding; tumor necrosis factor receptor binding;

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