Datasheet for ABIN2745656

EDAR Protein (AA 27-183, Extracellular Domain) (Fc Tag)

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Overview

Quantity:	3 x 50 µg
Target:	EDAR
Protein Characteristics:	Extracellular Domain, AA 27-183
Origin:	Human, Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EDAR protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Specificity:	Binds to human and mouse EDA-A1.
Cross-Reactivity:	Human, Mouse (Murine)
Characteristics:	The extracellular domain of human EDAR (aa 27-183) is fused at the C-terminus to the Fc portion of human IgG1.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	EDAR

Target Details

Alternative Name:	EDAR (EDAR Products)
Background:	The TNF family ligand ectodysplasin A (EDA) and its receptor EDAR are required for proper development of skin appendages such as hair, teeth and eccrine sweat glands. Loss of function mutations in the Eda gene cause X-linked hypohidrotic ectodermal dysplasia (XLHED), a condition that can be ameliorated in mice and dogs by timely administration of recombinant EDA. The Eda gene on the X chromosome is transcribed as multiple splice variants, only two of which code for the receptor-binding C-terminal TNF homology domain. These two variants code for 391- and 389-amino acid-long proteins called EDA1 and EDA2. EDA1 binds EDAR, whereas EDA2 binds to another receptor, XEDAR. The biology of EDA2 and XEDAR is distinct from that of EDA1. Indeed, XEDAR-deficient mice have no obvious ectodermal dysplasia phenotype, whereas mice deficient in EDA, EDAR, or the signaling adaptor protein EDARADD all display virtually indistinguishable ectodermal dysplasia phenotypes, indicating the predominance of the EDA1-EDAR axis in the development of skin-derived appendages.
Molecular Weight:	~50kDa (SDS-PAGE)
UniProt:	Q9UNE0
Pathways:	Tube Formation, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Inhibits EDA-A1 activity.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 50 µL sterile water.
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.

Handling

Expiry Date:	6 months

