

Rat Ectodysplasin A Receptor (EDAR) Monoclonal Antibody | anti-EDAR antibody

Rat anti-human Ectodysplasin A Receptor (EDAR) monoclonal antibody

CATALOG # AAA71496	HOST Rat	APPLICATIONS ELISA, ELISA, Flow Cytometry, Functional Assay
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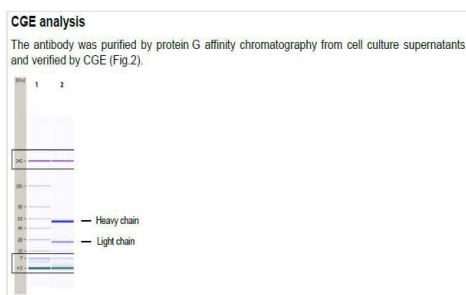
PRODUCT SYNONYMS

Ectodysplasin A Receptor (EDAR); Monoclonal Antibody; Rat anti-human Ectodysplasin A Receptor (EDAR) monoclonal antibody; anti-EDAR antibody

PRODUCT SPECIFICATIONS

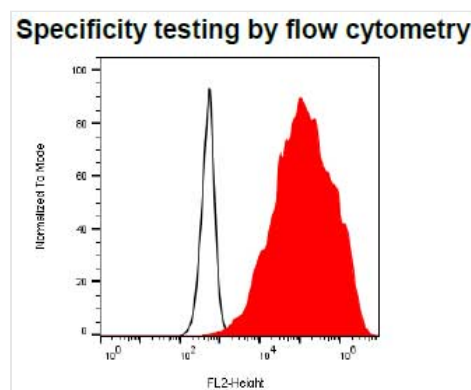
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b/kappa
Clone Number	BGC-6F6
Specificity	anti-human EDAR
Purity/Purification	Protein G
Sequence Length	448
Applicable Applications for anti-EDAR antibody	ELISA, ELISA, FCM/FACS (Flow Cytometry)
Buffer	Phosphate buffered saline, pH 7.2
Immunogen	Genetic immunisation with cDNA encoding the full-length human EDAR
Selection	Based on recognition of the full-length native protein expressed on viable, transfected mammalian cells
Preparation and Storage	Short term: 2 degree C - 8 degree C Long term: -20 degree C (avoid repeated freezing and thawing)

IMAGES



Application Data

Fig.2: CGE analysis of purified BGC-6F6 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 mug of purified BGC-6F6 antibody. Proteins were separated by CGE (capillary gel electrophoresis, Agilent 2100 Bioanalyzer). Internal control bands (240 kDa / 7 kDa / 4,5 kDa).



FCM/FACS (Flow Cytometry)

Fig.1: GM-1008. BOSC23 cells were transiently transfected with an expression vector encoding either full length human EDAR (red filled curve), or an irrelevant protein (control transfectant, black curve). Binding of BGC-6F6 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with human EDAR transfected cells.

ADDITIONAL INFORMATION

Related Product Information for anti-EDAR antibody	Ectodysplasin A receptor (EDAR) is a protein that is encoded by the EDAR gene in humans. EDAR is a cell surface receptor for ectodysplasin A. which plays an important role in the development of ectodermal tissues such as the skin (1). It is structurally related to members of the TNF receptor superfamily. EDAR and other genes provide instructions for making proteins that work together during embryonic development. These proteins form part of a signaling pathway that is critical for the interaction between two cell layers, the ectoderm and the mesoderm. In the early embryo, these cell layers form the basis for many of the body's organs and tissues. Ectoderm-mesoderm interactions are essential for the proper formation of several structures that arise from the ectoderm, including the skin, hair, nails, teeth, and sweat glands. Deficiencies in its signaling have been shown to be involved in patients affected by anhidrotic/hypohidrotic ectodermal dysplasia (2). This antibody is recommended for applications under non-denaturing conditions.
References	1. Kowalczyk-Quintas C and Schneider P. (2014). Ectodysplasin A (EDA) - EDA receptor signalling and its pharmacological modulation. Cytokine Growth Factor Rev;25(2):195-203. doi: 10.1016/j.cytogfr.2014.01.004. Epub 2014 Jan 23 2. Sadier A., Viriot L., Pantalacci S and Laudet V. (2014). The ectodysplasin pathway: from diseases to adaptations. Trends Genet Jan;30(1):24-31. doi: 10.1016/j.tig.2013.08.006. Epub 2013 Sep 23.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62739796
NCBI GeneID	10913
Molecular Weight	51,690 Da
NCBI Official Full Name	Ectodysplasin A receptor
NCBI Official Synonym Full Names	ectodysplasin A receptor
NCBI Official Symbol	EDAR
NCBI Official Synonym Symbols	DL; ED3; ED5; ED1R; EDA3; HRM1; EDA1R; ECTD10A; ECTD10B; EDA-A1R
NCBI Protein Information	tumor necrosis factor receptor superfamily member EDAR
UniProt Protein Name	Tumor necrosis factor receptor superfamily member EDAR
UniProt Gene Name	EDAR
UniProt Synonym Gene Names	DL
UniProt Entry Name	EDAR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.