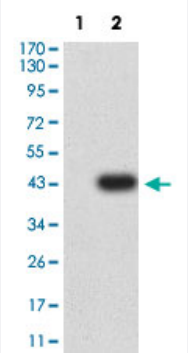
EDA2R monoclonal antibody, clone 4A6B4

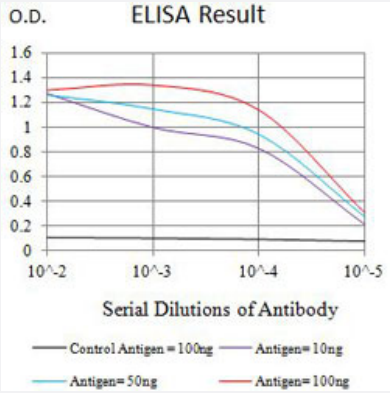
Catalog # MAB21461 Size 100 ug

Applications



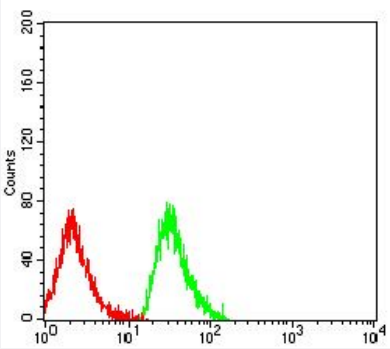
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: EDA2R-hIgGFc transfected HEK293 cell lysates with EDA2R monoclonal antibody, clone 4A6B4 (Cat # MAB21461).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with EDA2R monoclonal antibody, clone 4A6B4 (Cat # MAB21461).



Flow Cytometry

Flow cytometric analysis of MOLT4 cells with EDA2R monoclonal antibody, clone 4A6B4 (Cat # MAB21461) (Green). Red: Negative Control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human EDA2R.
Immunogen	Recombinant protein corresponding to amino acids 1-138 of human EDA2R.
Host	Mouse
Theoretical MW (kDa)	32.8
Reactivity	Human
Form	Liquid
Isotype	IgG2b
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of Lane 1: HEK293 and Lane 2: EDA2R-hIgGFc transfected HEK293 cell lysates with EDA2R monoclonal antibody, clone 4A6B4 (Cat # MAB21461).

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  ELISA analysis with EDA2R monoclonal antibody, clone 4A6B4 (Cat # MAB21461).

- Flow Cytometry

  Flow cytometric analysis of MOLT4 cells with EDA2R monoclonal antibody, clone 4A6B4 (Cat # MAB21461) (Green). Red: Negative Control.

Gene Info — EDA2R

Entrez GeneID	60401
Protein Accession#	Q9HAV5

Gene Name	EDA2R
Gene Alias	EDA-A2R, EDAA2R, TNFRSF27, XEDAR
Gene Description	ectodysplasin A2 receptor
Omim ID	300276
Gene Ontology	Hyperlink
Gene Summary	EDA-A1 and EDA-A2 are two isoforms of ectodysplasin that are encoded by the anhidrotic ectodermal dysplasia (EDA) gene. Mutations in EDA give rise to a clinical syndrome characterized by loss of hair, sweat glands, and teeth. The protein encoded by this gene specifically binds to EDA-A2 isoform. This protein is a type III transmembrane protein of the TNFR (tumor necrosis factor receptor) superfamily, and contains 3 cysteine-rich repeats and a single transmembrane domain but lacks an N-terminal signal peptide. Multiple alternatively spliced transcript variants have been found for this gene, but some variants lack sufficient support. [provided by RefSeq
Other Designations	EDA-A2 receptor|OTTHUMP00000023448|X-linked ectodysplasin receptor|X-linked ectodysplasin-A2 receptor|tumor necrosis factor receptor superfamily member XEDAR

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Alopecia
- Genetic Predisposition to Disease