Product information

Monoclonal anti-human EDAR antibody (clone AT19E8)

Mouse IgG_{2a}, κ

Cat. No. IBATGA0334

Immunogen: Recombinant human EDAR (27-448aa) purified from *E. coli*

NCBI Accession No.: NP_071731

Isotype: Mouse IgG_{2a} heavy chain and κ light chain

Clone: Anti-human EDAR mAb, clone AT19E8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human EDAR protein.

Description: Tumor necrosis factor receptor superfamily member EDAR is a protein that in humans is encoded by the EDAR gene. 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.

Concentration: 1mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.

Storage: Can be stored at +4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis and Flow cytometry to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Application: ELISA, WB, Flow cytometry

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
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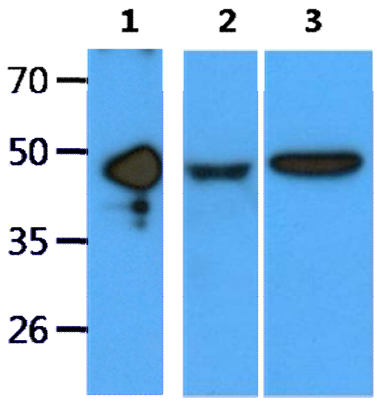
Western blot analysis

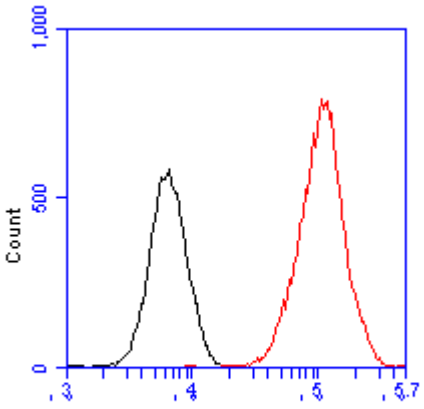
The recombinant protein (50ng) and cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EDAR antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1 : Recombinant protein
Lane 2 : A549 cell lysate
Lane 3 : Ramos cell lysate



Flow cytometry

Flow cytometry analysis of EDAR in HeLa cell line, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



Alexa488-anti-EDAR

General references: Monreal AW, *et al*. (1999) *Nat Genet* **22**(4):366-9.
Aswegan AL, *et al*. (1997) *Am J Med Genet* **72**(4):462-7.
Entrez Gene: EDAR ectodysplasin A receptor.

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