# Anti-ectodysplasin A [EctoD2] Standard Size Ab00912-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa
**Clone Number:** EctoD2
**Alternative Name(s) of Target:** O54693; Q92838; Ectodysplasin-A; EDA
**UniProt Accession Number of Target Protein:**
**Published Application(s):** SDS-PAGE, WB, Block, ELISA, FC
**Published Species Reactivity:** Human, Mouse
**Immunogen:** This antibody was raised by immunising Eda-deficient Tabby mice with an active recombinant form of EDA1 (Fc-EDA1).
**Specificity:** This antibody recognises the conserved extracellular, receptor-binding region of murine, avian and human ectodysplasin-A.
**Application Notes:** The specificity of this antibody for EDA has been confirmed in SDS-PAGE, Western blot, ELISA, native gel electrophoresis and FC experiments (Kowalczyk-Quintas et al, 2014). This antibody blocks mammalian and avian EDA1 and EDA2 from binding EDAR (Kowalczyk-Quintas et al, 2014). When administered to pregnant wild-type mice, this antibody induces foetal ectodermal dysplasia (Kowalczyk-Quintas et al, 2014). Therapeutically, this antibody may be useful in the treatment of disorders arising as a result of excessive EDA1 action.
**Antibody First Published in:** Kowalczyk-Quintas et al. Generation and characterization of function-blocking anti-ectodysplasin A (EDA) monoclonal antibodies that induce ectodermal dysplasia. J Biol Chem. 2014 Feb 14;289(7):4273-85. PMID:24391090
**Note on publication:** Describes the original generation of this antibody and its characterisation using SDS-PAGE, WB, ELISA gel electrophoresis and FC experiments.

## Product Form

**Size:** 200 µg Purified antibody.
**Purification:**

Protein A affinity purified
**Supplied In:** PBS with 0.02% Proclin 300.
**Storage Recommendation:** Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.