



## *Anti-mouse EDAR Antibody*

### ORDERING INFORMATION

**Catalog Number:** AF745

**Lot Number:** ENT02

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** rmEDAR, rhEDAR

**Immunogen:** NS0-derived rmEDAR extracellular domain

**Ig Type:** goat IgG

**Applications:** Direct ELISA  
Western blot  
Blocking of receptor-ligand interaction

### *Preparation*

Produced in goats immunized with purified, NS0-derived, recombinant mouse ectodysplasin-A receptor (rmEDAR) extracellular domain. EDAR specific IgG was purified by mouse EDAR affinity chromatography.

### *Formulation*

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### *Endotoxin Level*

< 0.1 EU per 1 mg of the antibody as determined by the LAL method.

### *Reconstitution*

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

### *Storage*

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### *Specificity*

This antibody has been selected for its ability to block receptor-ligand interaction.

### *Applications*

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse and human EDAR. The detection limit for rmEDAR and rhEDAR is approximately 0.6 ng/well.

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse and human EDAR. The detection limit for rmEDAR and rhEDAR is approximately 1 ng/lane under non-reducing and reducing conditions.

**Blocking of receptor-ligand interaction** - Approximately 1 - 4 µg/mL of this antibody will block 50% of 1 µg/mL of biotinylated rmEDA/his to immobilized rmEDAR/Fc chimera (100 µL of a 1 µg/mL solution was coated in each well) in a functional ELISA.

**Optimal dilutions should be determined by each laboratory for each application.**