



Monoclonal Anti-mouse EDAR Antibody

ORDERING INFORMATION

Catalog Number: MAB745

Clone: 132102

Lot Number: EZS02

Size: 500 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse EDAR

Immunogen: NS0-derived rmEDAR
extracellular domain

Ig class: rat IgG_{2a}

Applications: ELISA
Western blot

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a rat immunized with purified, NS0-derived, recombinant mouse ectodysplasin receptor (rmEDAR) extracellular domain. The IgG fraction of the tissue culture supernatant was purified by Protein G 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 µg 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 500 µg/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 recognize rmEDAR in direct ELISAs and western blots.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse EDAR. The detection limit for rmEDAR is approximately 3 ng/well. In this format, the antibody displays 100% cross-reactivity with rhEDAR and no cross-reactivity with any of the following: rh4-1BB, rhCD27, rhCD30, rhCD40, rhDR3, rhDR6, rhFas, rhGITR, rhHVEM, rhLymphotoxin BR, rhNGFR, rhOPG, rhRANK, rhTAJ, rhTNF RI, rhTNF RII, rhAXL, rm4-1BB, rmCD27, rmCD30, rmCD40, rmFas, rmGITR, rmLymphotoxin BR, rmOPG, rmRANK, rmTNF RI, rmTNF RII and rmTRANCE.

Western blot - This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect mouse EDAR. The detection limit for rmEDAR is approximately 25 ng/lane under non-reducing and reducing conditions.

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

Dear Researcher,

Thank you for purchasing an antibody from R&D Systems. **If you are not the end user, please provide the end user with a copy of this letter.**

We strive to continually improve the technical information available to you for each of our products. To assist us in this effort, we would greatly appreciate your input. Please let us know in which application(s) you have used, or intend to use, the antibody by placing the catalog number of the antibody in the top row of boxes and checking the relevant application boxes below each catalog number. See the sample below for an example. Please return this page to R&D Systems at **fax number (612) 379-6580**.

Catalog Number of Antibody(ies) Purchased				
ELISA - Sandwich				
Flow Cytometry				
Immunocytochemistry				
Immunohistochemistry				
Neutralization				
Western Blot				
Other (please specify)				

Sample

Catalog Number of Antibody(ies) Purchased	AF-292-NA	MAB301		
ELISA - Sandwich	√	√		
Flow Cytometry		√		
Immunocytochemistry		√		
Immunohistochemistry				
Neutralization	√	√		
Western Blot	√	√		
Other (please specify)	IP			

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Thank you in advance for taking the time to fill out this form and return it to us so that we may continue to provide superior service to all of our customers.

Best regards,



Shawn Larson
Product Marketing Specialist
ShawnL@RnDSystems.com