



Monoclonal Anti-mouse Testican 3/SPOCK3 Antibody

ORDERING INFORMATION

Catalog Number: MAB2346

Clone: 330403

Lot Number: XF102

Size: 500 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Testican 3

Immunogen: NS0-derived rmTestican 3

Ig class: rat IgG₁

Recommended Application:
ELISA capture

Background

Testican 3, also known as SPOCK3 (sparc/osteonectin, CXC_V and Kazal-like domains proteoglycan 3) is a proteoglycan expressed in brain. It contains a Ca²⁺-binding domain and the C-terminal acidic domain with putative glycosaminoglycan attachment sites. In addition, it contains three potential inhibitory domains targeted toward three different classes of proteases, metallo, cysteine and serine proteases. The amino acid sequence of mouse Testican 3 is 96% and 90% identical to that of rat and human.

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 Testican 3 (rmTestican 3; Accession # Q8BKV0; aa 22 - 436). 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.

Reconstitution

Reconstitute with sterile PBS. If 1.0 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 detects rmTestican 3 in direct ELISAs and Western blots.

Application

ELISA capture - This product can be used as a capture reagent in a mouse Testican 3 sandwich immunoassay in combination with biotinylated mouse Testican 3 detection antibody (Cat. # BAF2346) and recombinant mouse Testican 3 (Cat. # 2346-PI) as the standard. The suggested coating concentration range is 2 - 8 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at www.RnDSystems.com/go/MAPELISA. In this application less than 0.25% cross-reactivity was observed with rhTestican 1 and no cross-reactivity was observed with rhTestican 2.

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