

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Tsukushi/TSK in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% cross-reactivity with recombinant human Tsukushi/TSK is observed.
Source	Monoclonal Rat IgG _{2C} Clone # 462310
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Tsukushi/TSK Thr18-Leu354 Accession # Q8CBR6
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Mouse Tsukushi/TSK

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

TSK, also known as Tsukushi and Leucine-rich repeat-containing protein 54, is a member of the small leucine-rich proteoglycan (SLRP) family of extracellular matrix proteins, which are characterized by leucine-rich repeats (LRR) flanked by conserved cysteines. Mouse TSK is a secreted glycoprotein that has a predicted molecular weight of 36.5 kDa and contains 9 LRR. Proteoglycan modification of TSK has not been shown. Estrogen treatment in breast cancer cell lines upregulates TSK, and so TSK is proposed to be involved in hormonally regulated extracellular matrix remodeling. Mouse TSK shares 96%, 85%, 51%, and 49% sequence identity with rat, human, chicken, and *Xenopus* TSK, respectively.