

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse UGRP1/SCGB3A2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human UGRP1 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 381707
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse UGRP1/SCGB3A2 isoform C Leu22-Leu139 Accession # Q920H1
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 UGRP1/SCGB3A2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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

UGRP1 (also secretoglobin gene family 3A2/SCGB3A2) is an 18 kDa, secreted nonglycosylated polypeptide that is a member of the Uteroglonin family, UGRP subfamily. Mouse UGRP1(isoform A) circulates as a 37 kDa homodimer. Its mature form is 70 amino acids in length. There are two large alternate splice forms termed B and C. UGRP1B is a secreted homodimer that shows a 22 aa insert between aa 84 and 85 of the short form. UGRP1C contains a 55 aa substitution for the C-terminal seven aa of the short form, predicting a 118 aa secreted form. The common portion of mature mouse UGRP1 (isoforms A, B and C) shares 86% and 81% aa identity with rat and human UGRP1, respectively.