Mouse HIN-1/SCGB3A1 Antibody

Monoclonal Rat IgG_{2A} Clone # 368203

Catalog Number: MAB2954

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse HIN-1/SCGB3A1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human HIN-1 is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 368203
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse HIN-1/SCGB3A1 Phe22-Gly104 Accession # Q920D7
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 HIN-1/SCGB3A1

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.** ● 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

HIN-1, also known as secretoglobin 3A1 (SCGB3A1), PnSP-2, LuLeu-2, and UGRP-2 is an 8 kDa member of the secretoglobin family of molecules. It is synthesized as a 104 aa precursor that contains a 21 aa signal sequence and an 83 aa mature region. Based on other members of the family, HIN-1 is likely to exist as a disulfide-linked homodimer. The molecule is found in mammary and upper airway epithelium. No receptor for HIN-1 has been identified. Mature mouse HIN-1 shares 60% aa sequence identity with mature human HIN-1.

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