

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	<i>E. coli</i> -derived recombinant mouse HIN-1/SCGB3A1 Phe22-Gly104 Accession # Q920D7
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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