

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HIN-1/SCGB3A1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with recombinant mouse HIN-1 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 410219
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human HIN-1/SCGB3A1 Phe21-Gly104 Accession # Q96QR1
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.
Immunocytochemistry	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

High in Normal-1 (HIN-1), also known as Secretoglobulin 3A1 (SCGB3A1), PnSP-2, LuLeu-2, and UGRP-2 is an 8 kDa member of the Secretoglobulin family of molecules. It is synthesized as a 104 aa precursor that contains a 21 aa signal sequence and an 83 aa mature region. There are no potential N-linked glycosylation sites. 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. Mature mouse HIN-1 shares 60% aa sequence identity with mature human HIN-1.

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