

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	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.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 410219
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human HIN-1/SCGB3A1 Phe21-Gly104 Accession # Q96QR1
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	Recombinant Human HIN-1/SCGB3A1
<b>Immunocytochemistry</b>	8-25 µg/mL	Immersion-fixed Y-79 human retinoblastoma cell line

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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.