

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SCGF/CLEC11a in direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 239004
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SCGF/CLEC11a Gly19-Phe245 Accession # BAA21499
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.

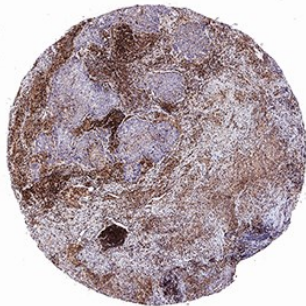
APPLICATIONS

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
Immunohistochemistry	5-25 µg/mL	Immersion fixed paraffin-embedded sections of Lung Cancer.

DATA

Immunohistochemistry



Detection of SCGF/CLEC11a in Lung Cancer. SCGF/CLEC11a was detected in immersion fixed paraffin-embedded sections of Lung Cancer using Mouse Anti-Human SCGF/CLEC11a Monoclonal Antibody (Catalog # MAB19041) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in cancer cells. View our protocol for [IHC Staining with VisUCyte HRP Polymer Detection Reagents](#).

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

Stem Cell Growth Factor (SCGF) is a secreted sulfated glycoprotein that belongs to the C-type lectin superfamily (CLEC11a) and is expressed primarily in hematopoietic tissues. It functions as a growth factor for primitive hematopoietic progenitor cells. SCGF-β is a truncated variant of SCGF-α that has aa 78 amino acid deletion and lacks a functional calcium-dependent carbohydrate-recognition domain.