

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SCGF/CLEC11a in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant mouse SCGF-β is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 239029
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SCGF/CLEC11a Gly19-Phe245 Accession # BAA21499
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.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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

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.

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