

Anti-Rel B/RELB Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9799-Fluoro647

About RELB

RELB (v-rel reticuloendotheliosis viral oncogene homolog B) is also known as IREL. The International Radiation Hybrid Mapping Consortium assigned the RELB gene to chromosome 19. By RT-PCR and immunocytochemical analyses, Clark et al. (1999) showed that RELB expression correlated with dendritic cell activation. NF-kappa-B-inducing kinase is required for osteoclastogenesis in response to pathologic stimuli. Vaira et al. (2008) found that overexpression of Relb, but not Rela, rescued differentiation of mouse Nik $-/-$ osteoclast precursors, indicating that blockade of the alternative NF-kappa-B pathway, rather than the classical NF-kappa-B pathway, is responsible for the osteoclastogenic defect in the absence of Nik. Using Relb $-/-$ mice, they showed that Relb itself was required for Rankl-induced osteoclastogenesis in vitro and for TNF-induced bone resorption in vivo. Both Relb $-/-$ and Nik $-/-$ mice were resistant to tumor-mediated osteolysis. Vaira et al. (2008) concluded that the alternative NF-kappa-B pathway, via RELB, plays an essential and unique role in RANKL signaling toward osteoclast development.

Overview

Product Name	Anti-Rel B/RELB Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q01201

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Rel B, identical to the related mouse sequence.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm

	Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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