

Anti-MUM1/IRF4 Antibody Picoband® HRP Conjugated

Catalog Number: PB9222-HRP

About IRF4

Interferon regulatory factor 4 (IRF4), also known as MUM1, is a protein that in humans is encoded by the IRF4 gene. It is located on 6p25.3. IRF4 is a transcription factor, and it is essential for the development of T helper-2 (Th2) cells, IL17 -producing Th17 cells, and IL9 -producing Th9 cells. In melanocytic cells, the IRF4 gene may be regulated by MITF. IRF4 is a transcription factor that has been implicated in acute leukemia. This gene is strongly associated with pigmentation, sensitivity of skin to sun exposure, freckles, blue eyes, and brown hair color. What's more, IRF4 inhibition is toxic to myeloma cell lines, regardless of transforming oncogenic mechanism.

Overview

Product Name	Anti-MUM1/IRF4 Antibody Picoband® HRP Conjugated
Reactive Species	Human
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q15306

Technical Details

Immunogen	E.coli-derived human MUM1 recombinant protein (Position: E272-E451). Human MUM1 shares 92% amino acid (aa) sequence identity with mouse MUM1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

1 Publications Citing This Product

1. PubMed ID: 10.3892/or.2016.4562, TIPE2, a negative regulator of TLR signaling, regulates p27 through IRF4-induced signaling

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