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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-BAG2 Antibody Picoband® (monoclonal, 8F11G2) PE Conjugated

Catalog Number: M04933-2-PE

About BAG2

BAG family molecular chaperone regulator 2 is a protein that in humans is encoded by the BAG2 gene. The predicted BAG2 protein contains 211 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. The functional antagonisms displayed between BAG family proteins and Hip suggest that a proper balance of these 2 types of protein is required for achieving optimal cycles of substrate binding and release required for inducting conformational changes in proteins, with Hip promoting peptide substrate binding by Hsc70/Hsp70 and BAG family proteins promoting dissociation.

Overview

Product Name	Anti-BAG2 Antibody Picoband® (monoclonal, 8F11G2) PE Conjugated
Reactive Species	Human, Mouse
Application	Flow Cytometry
Clonality	Monoclonal 8F11G2
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	O95816

Technical Details

Immunogen	E.coli-derived human BAG2 recombinant protein (Position: M1-N211). Human BAG2 shares 93.4% amino acid (aa) sequence identity with mouse BAG2.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

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Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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For Research Use Only. Not for use in diagnostic procedures.