Assay Designs, Inc.
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Anti-Survivin, monoclonal (Clone 32.1)

Catalog Number: 905-627

Quantity: 100 µg

Introduction: Survivin is a 16.5 kDa protein involved in the inhibition of apoptosis and cell division. Survivin expression has been reported at high levels in embryonic tissues, but at low or non-detectable levels in normal tissue[1]. Survivin regulates the G2/M phase of the cell cycle by associating with the mitotic spindle microtubules and directly inhibiting caspase-3 and caspase-7. Survivin is selectively expressed in many types of human cancers and is associated with clinical tumor progression[2]. It has been proposed as a tumor marker for breast cancer, and survivin expression has been correlated to clinical outcome in melanoma patients[3,4]. Down regulation or loss of survivin is thought to inhibit the growth of tumor cells. Survivin epitopes may serve as important targets for anticancer immunotherapy approaches, and survivin has been postulated to be a target for apoptosis-based cancer therapy.

Immunogen: Recombinant full-length human survivin

Clone: 32.1

Isotype: mouse $IgG_{1\kappa}$

Purification: Protein G

Form: 1.0 mg/mL in PBS with 0.1% sodium azide

Storage: Store at –20°C. Aliquot to avoid repeated freeze/thaw cycles.

Intended use: This antibody has been tested in Western blotting and flow cytometry. The end user must determine the optimal dilutions for all applications.

Cross Reactivity: Reacts with human survivin.

Specificity: Recognizes the nuclear form of survivin. The epitope recognized is between amino acids 3-19.

For Research Use Only; Not for Therapeutic or Diagnostic Use.

References:

1. B.Z. Carter, et al., Blood, (2001) 97(9):2784-90.
2. L. Sui, et al., Int J. Oncol., (2002) 21(2):315-20.
3. S Nasu, et al., Anticancer Res., (2002) 22(3):1839-43.
4. A. Gradilone, et al., J. Clin. Oncol., (2003) 21(2):306-12.
5. J.D. Gordon, et al., Cytotherapy, (2002) 4(4):317-27.

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