

**BM2231P****Monoclonal Antibody to Nuclear Antigen (Membrane) - Purified**

<b>Alternate names:</b>	Nuclear membrane marker
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	The nuclear envelope is riddled with nuclear pores that allow specific materials to pass in and out of the nucleus. Attached to the nuclear envelope is the endoplasmic reticulum.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	AE-5
<b>Immunogen:</b>	Nuclei of myeloid leukemia biopsy cells. Isolated splenocytes were fused with mouse myeloma cells.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Buffer System:</b> PBS <b>Preservatives:</b> 0.05% Sodium Azide
<b>Applications:</b>	<b>Flow Cytometry.</b> <b>Immunohistochemistry on Frozen and Paraffin Sections:</b> AE-5 produces a ring staining pattern around the nucleus of normal and malignant cells and can be used for paraformaldehyde fixed or frozen tissue or cell preparations and formalin fixed, paraffin-embedded tissue sections. <i>Recommended Positive Control:</i> Tonsil tissue. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody clone AE-5 recognizes an antigen associated with the nuclear membrane expressed in Human cells. This Monoclonal antibody clone AE-5 can also be used as a Marker of the nuclear membrane in subcellular fractions.
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b> Shelf life: one year from despatch.
<b>General Readings:</b>	This clone has not been published but similarly generated and characterized clones are described in: 1. Epstein, A.L. and Clevenger, C.V., Identification of nuclear antigens in human cells by immunofluorescence, immunoelectron microscopy, and immuno-biochemical methods using monoclonal antibodies. In: Progress on nonhistone protein research, Vol. 1, Isaac Bekhor, ed., 1985, CRC Press, Boca Raton, FL, pp 117-137.