Anti-Human Nuclei Antibody

Excellent marker for human cells in xenographic research

Catalog #: 1590-NUC  Size: 100 µl
Isotype: IgG1  Clone: 235-1

Cite this Antibody: PhosphoSolutions Cat# 1590-NUC, RRID:AB_2492189

Host  Applications  Species Tested  Species Assumed*  
Mouse  IHC  1:100  H  
IF  1:100

Product Description: Mouse monoclonal antibody.

Biological Significance: This antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells, including neurons and embryonic stem cells, with no reactivity to rat or mouse cells.

Antigen: Human cell homogenate.

Antibody Specificity: Specific for endogenous levels of human nuclei. Stains nuclei of all human cell types giving a diffuse nuclear staining pattern. Chromosomes are negatively stained in metaphase cells. With immunoprecipitation, the antibody reacts with a ~80 kDa and ~70 kDa band. The antibody works on acetone fixed and paraformaldehyde fixed cells. It is suggested that you permeabilize the cells with 0.1-0.4% Triton X100. The antibody also works for immunohistochemistry on paraformaldehyde fixed cryostat sections.

Purification Method: Culture supernatant.

Quality Control Tests: Immunofluorescence performed on each lot.

Packaging: 100 µl culture supernatant.

Storage and Stability: Shipped on blue ice. Store at –20°C in undiluted aliquots; stable for at least 1 year. Avoid freeze/thaw cycles.

Immunostaining of HeLa cells showing specific labeling of their nuclei using our anti-nuclei antibody.
General References: