

## Product datasheet

### anti-Histone H1 mouse monoclonal, AE-4, purified

#### Short overview

<b>Cat. No.</b>	691531
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2a kappa
<b>Clone</b>	AE-4
<b>Immunogen</b>	Human leukemia biopsy cells
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P07305 (Human), P10922 (Mouse), P43278 (Rat)
<b>Synonym</b>	Histone H1.0, Histone H1', Histone H1(0 [Cleaved into: Histone H1.0, N-terminally processed], H1-0, H1F0, H1FV
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	FACS, ICC/IF, IHC
<b>Reactivity</b>	Human, Mouse, Rat

#### Applications

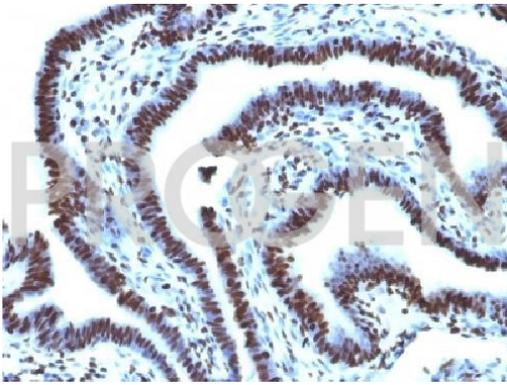
<b>Flow Cytometry (FACS)</b>	1-2 µg/million cells in 0.1 ml, fix cells in 4% PFA for 10 min at 4°C, permeabilize with 0.2% saponin or digitonin for 15 min at 4°C
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)

#### Background

AE-4 recognizes histone H1 in the nuclei of animal and plant cells. It produces a speckled nuclear staining pattern in normal and malignant cells.

Positive control: HeLa, A-431, LNCap or Jurkat cells. Breast carcinoma or tonsil.

#### Product images



Human ovarian