

### 30-1555: Anti-Basic Cytokeratins Monoclonal Antibody (Clone:AE3)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	AE3
<b>Application :</b>	WB, IHC
<b>Reactivity :</b>	Human
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Human epidermal keratins

#### Description

Cytokeratins are a subfamily of intermediate filaments and are characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Western blotting: Recommended dilution: 1-2  $\mu$ g/ml.

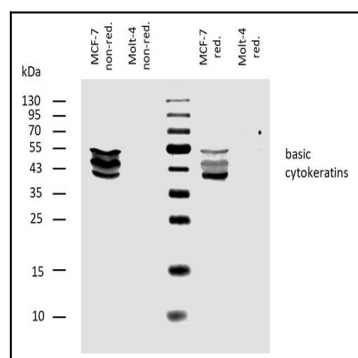


Figure-1: Western blotting analysis of human basic cytokeratins using mouse monoclonal antibody AE3 on lysates of MCF-7 cell line and Molt-4 cell line (cytokeratin non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2  $\mu$ g/ml of mouse anti-basic cytokeratins monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. Specific bands were detected for basic cytokeratins at approximately 40-55 kDa.