



**Epithelial Membrane Antigen (EMA), IHC-Paraffin Staining Report**

<b>Target Antigen:</b>	Epithelial Membrane Antigen (EMA)
<b>Catalog or ID #:</b>	IHC2036
<b>Host and Isotype:</b>	Mouse IgG <sub>2a</sub> , κ
<b>Clone:</b>	Clone: E29
<b>Purity and Method:</b>	Purified immunoglobulin (by Protein A)
<b>Concentration and Quantity:</b>	Prediluted
<b>Storage Conditions:</b>	2-4.0°C refrigerated
<b>Species Reactivity:</b>	Human. Reactivity with other species has not been determined
<b>IHC-Paraffin Fixation Tested:</b>	10% neutral Buffered Formalin
<b>IHC-Paraffin Titer:</b>	N/A
<b>IHC-Paraffin Pretreatment(s):</b>	Heat Induced Epitope Retrieval (HIER): Recommend EDTA pH 8.0. Also will work with no Epitope retrieval. Lighter staining was achieved using TE Buffer pH 9.0 and Citrate pH 6.0.
<b>IHC-Paraffin Protocol:</b>	<b>IHC-Select, HRP-DAB</b> (Brief Outline): Blocking Reagent for 5 min. Primary Antibody (or Negative Control Reagent) for 10 min. Biotinylated Secondary Antibody for 10 min. Streptavidin-HRP for 10 min. DAB for 10 min. Hematoxylin for 1 min.
<b>Positive Tissue(s):</b>	Recognizes most epithelial tissues e.g. breast, colonic bronchial, gastric, ect. Used to detect breast, cervical, endometrial, thyroid, pancreas, bronchial, and parathyroid carcinomas.
<b>Subcellular Location(s):</b>	Cytoplasmic
<b>Negative Tissue(s):</b>	Tissue containing no epithelial cells.
<b>Comments and References:</b>	Staining is as expected since specific-immunoreactivity was restricted to cytoplasm of breast carcinoma cells.

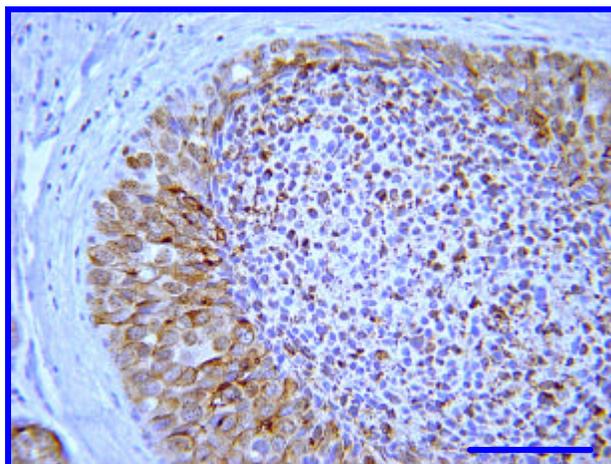


CHEMICON

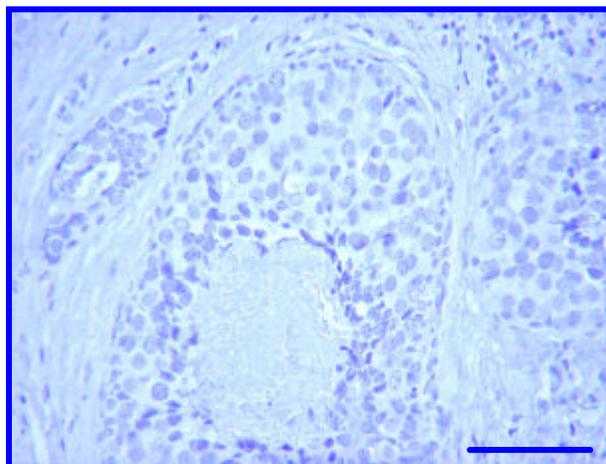
INTERNATIONAL

**IHC – Paraffin Staining Examples:**

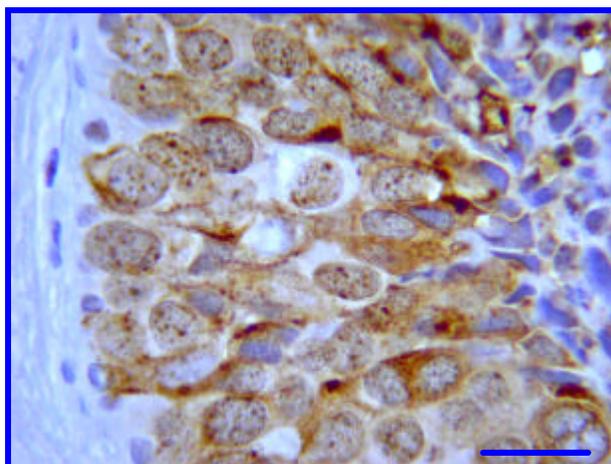
**Pictures of Optimal Staining With EDTA Epitope Retrieval: Breast Carcinoma**



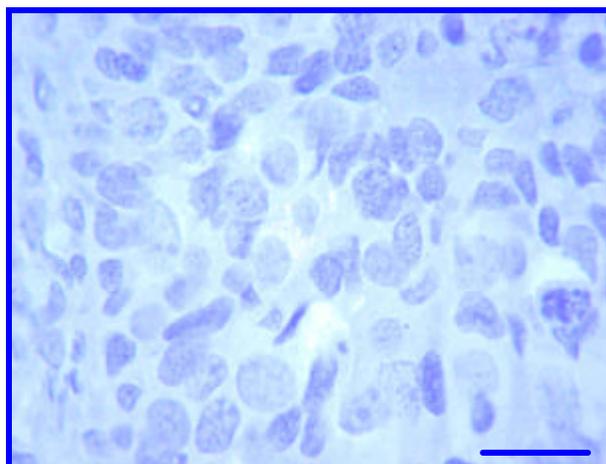
EMA (IHC2036, Clone: E29) staining of Human Breast Carcinoma. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain very strongly (brown). Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue pretreated with EDTA, pH 8.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 $\mu$ m.



EMA (IHC2036, Clone: E29) staining of Human Breast Carcinoma. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain very strongly (brown). Bar = 25 $\mu$ m.



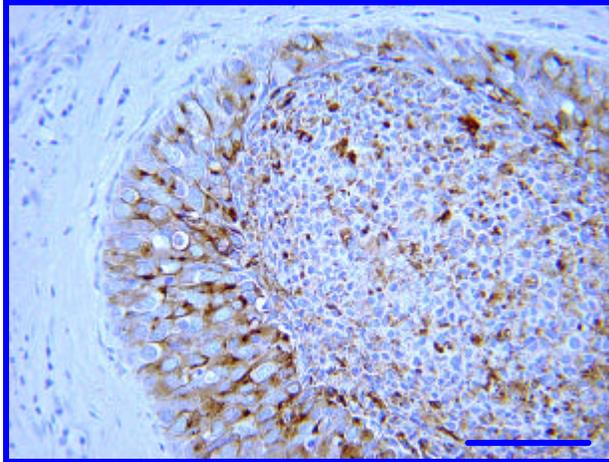
Negative Control staining of Human Breast Carcinoma. Tissue pretreated with EDTA, pH 8.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 $\mu$ m.



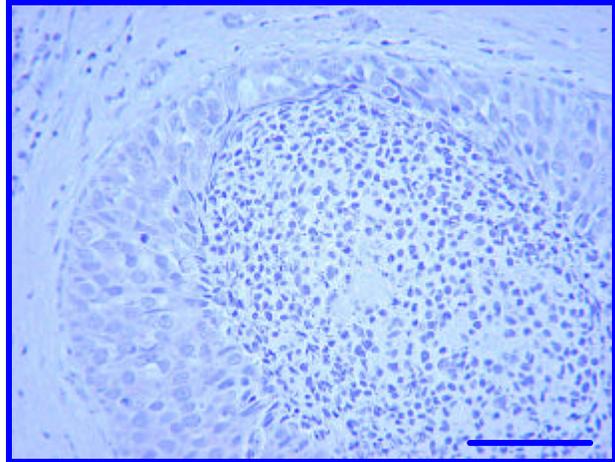
**CHEMICON**  
INTERNATIONAL

**IHC – Paraffin Staining Examples:**

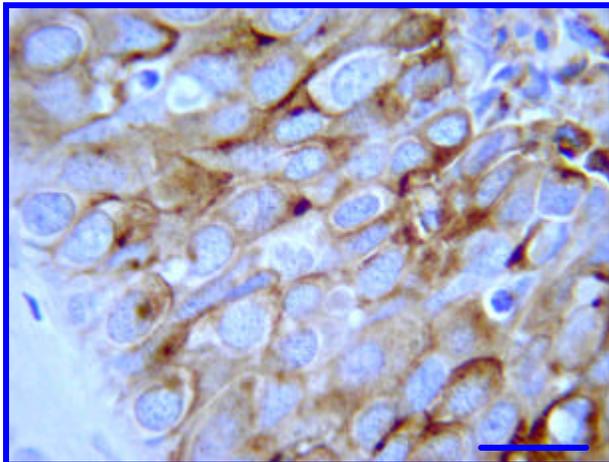
**Pictures of Staining Without Epitope Retrieval: Breast carcinoma**



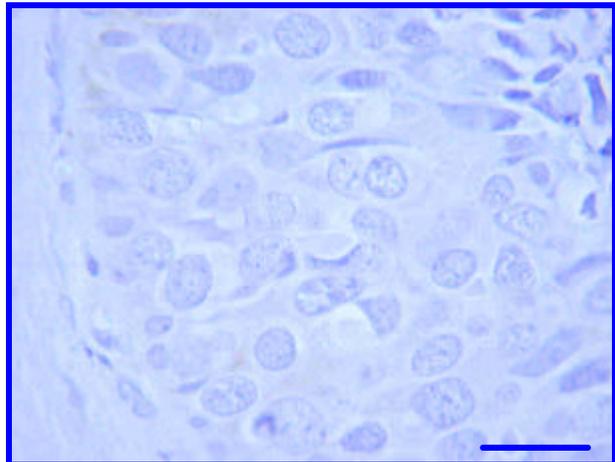
EMA (IHC2036, Clone: E29) staining of Human Breast Carcinoma. Tissue without Epitope retrieval, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain (brown). Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue without Epitope retrieval, Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 $\mu$ m.



EMA (IHC2036, Clone: E29) staining of Human Breast Carcinoma. Tissue without Epitope retrieval, prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain (brown). Bar = 25 $\mu$ m.



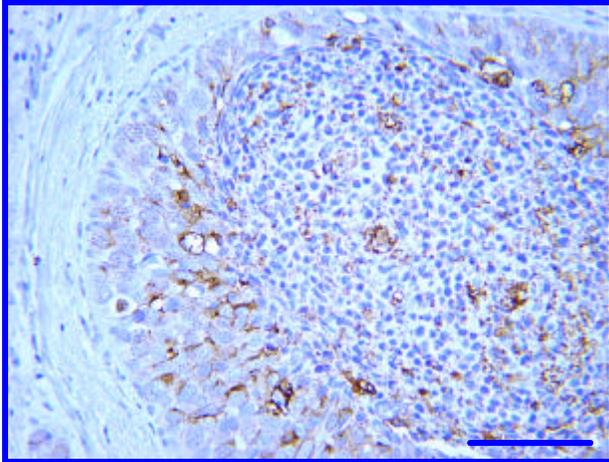
Negative Control staining of Human Breast Carcinoma. Tissue without Epitope retrieval, Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 $\mu$ m.



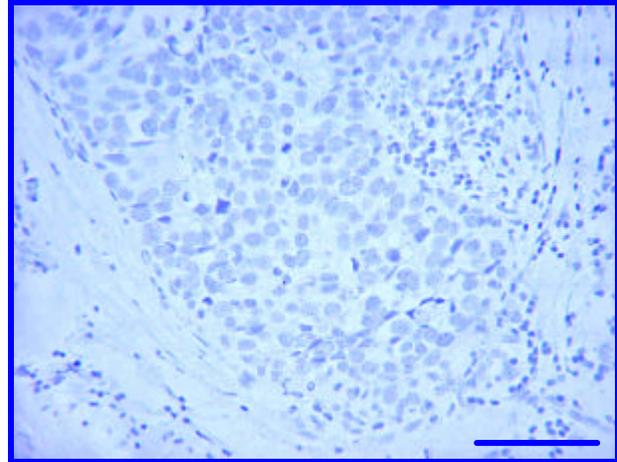
**CHEMICON**  
INTERNATIONAL

**IHC – Paraffin Staining Examples:**

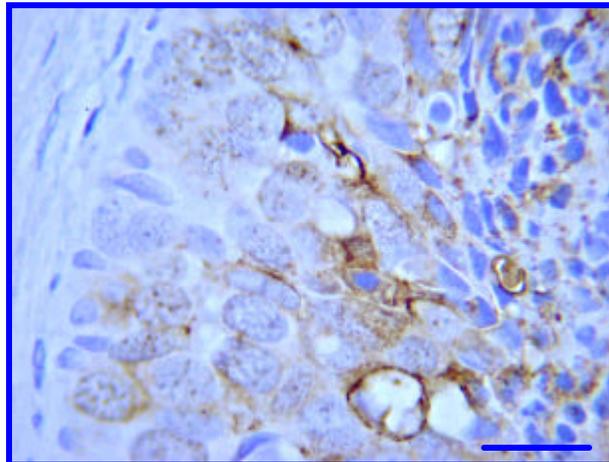
**Pictures of Staining With Citrate Buffer Epitope Retrieval: Breast carcinoma**



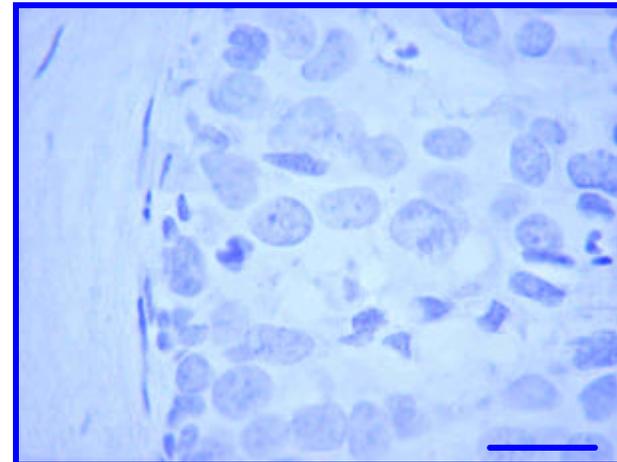
EMA (IHC2036, Clone: E29) staining of Human Breast Carcinoma. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain very light (brown). Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue pretreated with Citrate Buffer, pH 6.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 $\mu$ m.



EMA (IHC2036, Clone: E29) staining of Human Breast Carcinoma. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain very light (brown). Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue pretreated with Citrate Buffer, pH 6.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 $\mu$ m.

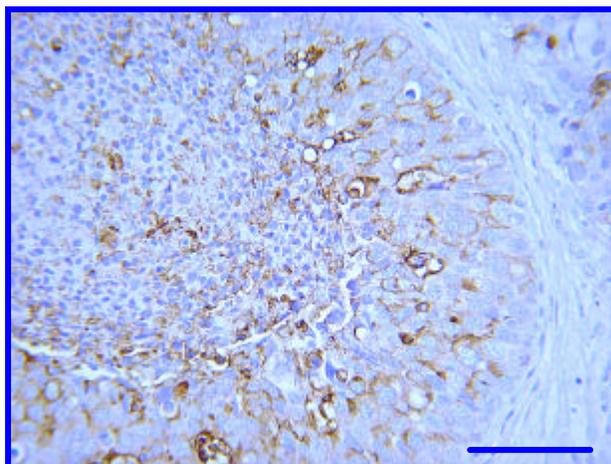


CHEMICON

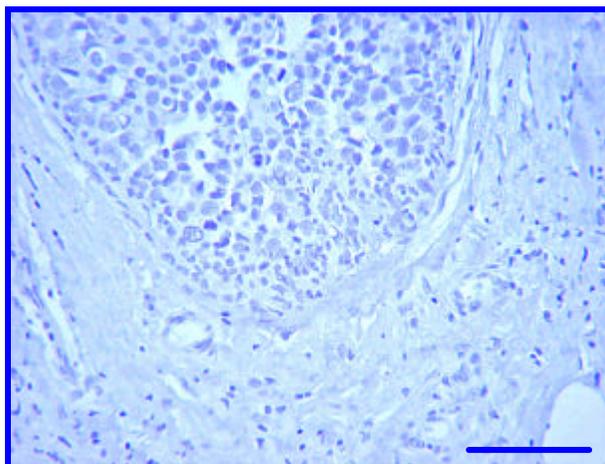
INTERNATIONAL

**IHC – Paraffin Staining Examples:**

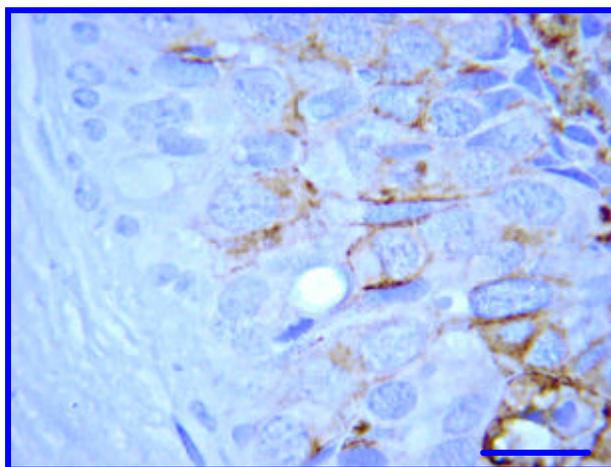
**Pictures of Staining With TE Buffer Epitope Retrieval: Breast Carcinoma**



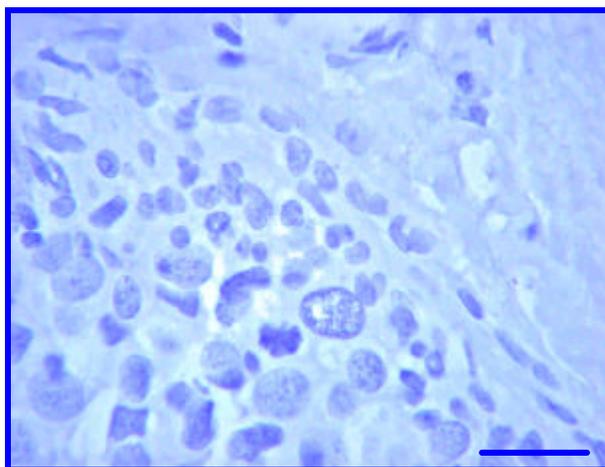
EMA (IHC2036, Clone: E29) staining of Human Breast Carcinoma. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain very light (brown). Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue pretreated with TE Buffer, pH 9.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 $\mu$ m.



EMA (IHC2036, Clone: E29) staining of Human Breast Carcinoma. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Cancer cells stain very light (brown). Bar = 100 $\mu$ m.



Negative Control staining of Human Breast Carcinoma. Tissue pretreated with TE Buffer, pH 9.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 $\mu$ m.