

AM33205PU-N**Monoclonal Antibody to pan Cytokeratin - Purified**

Alternate names:	Cytokeratin pan-reactive, pan Keratin
Quantity:	1 ml
Background:	Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains co-expressed during differentiation of simple and stratified epithelial tissues. Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation which is directly applicable to the characterization of malignant tumors.
Host:	Mouse
Clone:	BS5
Format:	State: Liquid purified IgG fraction Purification: PBS Preservatives: 0.03% Sodium Azide
Applications:	Immunohistochemistry on Paraffin Sections: 1/100-1/300. Positive Control: Tonsil, liver, appendix. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Human Pan Cytokeratin. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Protocols:	<u>After de-paraffination and rehydration:</u> 1) Pretreatment: HIER pH9 2) Wash (TBS-Tween). 3) Primary antibody: Pan Cytokeratin 1:100-1:300, 30 min. 4) Wash (TBS-Tween). 5) 3 % H2O2, 10 min. 6) Wash (TBS-Tween). 7) HRP One-Step Polymer , 30 min 8) Wash (TBS-Tween). 9) Wash (TBS-Tween). 10) DAB high contrast Kit , 10 min 11) Wash in distilled water. 12) 0,5% CuSO4 -post enhancement, 5 min. 13) Wash in distilled water.

- 14) Counter staining in diluted Mayer, 1 min.
- 15) Bluing, 7 min in tap water.
- 16) Dehydration, clearing and mounting.

Pictures:

Human Tonsil Paraffin Section stained with anti-pan Cytokeratin Antibody Cat.-No AM33205Pu (Clone BS5).

