

SPECIFICATION SHEET

Product Name:	McAb to Cyfra21-1	Catalog #:	L1C00705				
Description:	McAb to Cyfra21-1(CK19)						
Specificity:	Cytokeratins is a subunit of human glandular epithelia. It has 20 different types dividing into two subgroups: class I (acidic protein), class II (basic protein). Cytokeratin is a polymer composed of class I and class II keratin. Cell keratin 19 (CK19) is one of the lowest molecular weight of about 400 KDa. CK19 is widely distributed in normal tissues, as lamellar or squamous epithelium. In malignant epithelial cells, the degradation of the cell that makes a lot of CK19 fragment released into the blood, the soluble fragments can be recognized by strains of monoclonal antibody ks19.1 (epitope localized on aa. 311-335 (QSQLSMKAALEDTLAETEARFGAQLA) of the α -helical fragment) and BM19.21 (epitope localized on aa. 346-359 (LADVRADSERQNQE) of the α -helical fragment) so called CYFRA21-1. CYFRA21-1 molecular weight of about 30000 Da. CYFRA21-1 content is rich in malignant lung cancer especially in lung squamous cell carcinoma.						
Clone:	CK005						
Host Animal:	Mouse						
Source:	Ascites						
Immunogen:	Cytokeratin19 of Mr 40 000; from cultured human MCF-7 cells						
Format:	Purified, Liquid						
Purification:	>90% pure (SDS-PAGE). Protein A chromatography.						
Concentration&Lot:	5.5 mg/ml	Lot :	L180801				
Buffer:	0.01M PB, 0.15M NaCl, pH 7.4						
Preservative:	None						
Applications:	Each laboratory should determine an optimum working titer for use in its particular application. Recommended antibody pair for immunoassay: <table><tr><td><u>Capture</u></td><td><u>Detection</u></td></tr><tr><td>L1C00706</td><td>L1C00705</td></tr></table>			<u>Capture</u>	<u>Detection</u>	L1C00706	L1C00705
<u>Capture</u>	<u>Detection</u>						
L1C00706	L1C00705						
Storage&Shelf life:	Store at -20°C for 3 years. Avoid multiple freeze/thaw cycles.						

Version Date: 2015-7-30