

## Mouse monoclonal antibody p40, 5/13:84

Medical's highly specific p40 mouse monoclonal anti-p40 [BC28] demonstrated similar sensitivity and specificity to the company's rabbit polyclonal p40, staining 97 percent (65/67) of cases of lung squamous cell carcinoma and zero percent (0/71) cases of lung adenocarcinoma, in an in-house study. In addition, the antibody has significantly less background and does not stain macrophages.

p40 may have applications in cases where p63 has traditionally been used as an IHC marker. In recent studies, staining with rabbit polyclonal p40 was equivalent in sensitivity to p63 [4A4] for lung squamous cell carcinoma, but p40 exhibited markedly superior specificity due to staining in fewer cases of lung adenocarcinoma compared with p63.

The mouse monoclonal antibody p40 [BC28] recognizes an epitope unique to the p40 protein. p63 [4A4] has been a frequently used marker for lung squamous cell carcinoma as well as for bladder, breast, prostate, and head and neck cancers.

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