

## Anti-Cytokeratin 5/8 KRT5 Monoclonal Antibody

Catalog Number: M00398

### About KRT5 & KRT8

This monoclonal [antibody reacts with keratin 5](#) (58kDa) and keratin 8 (52.5kDa). Simple epithelia express cytokeratin 8 in combination with 18. On the other hand, basal cells of stratified epithelia express cytokeratin 5 paired with 14. This antibody therefore, reacts with a wide range of epithelia and their carcinomas.

### Overview

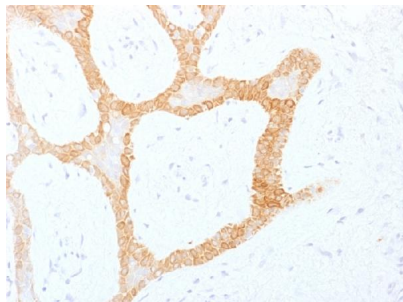
|                      |                                                                                                                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-Cytokeratin 5/8 KRT5 Monoclonal Antibody                                                                                                                                                                        |
| Reactive Species     | Cow, Dog, Ferret, Hamster, Human, Mouse, Pig, Rat, Sheep                                                                                                                                                             |
| Description          | Boster Bio Anti-Cytokeratin 5/8 KRT5 Monoclonal Antibody (Catalog # M00398). Tested in Flow Cytometry, IF, WB, IHC applications. This antibody reacts with Human, Pig, Mouse, Rat, Hamster, Cow, Dog, Sheep, Ferret. |
| Conjugate            | Biotin                                                                                                                                                                                                               |
| Application          | Flow Cytometry, IF, IHC, WB                                                                                                                                                                                          |
| Clonality            | Monoclonal Clone: C-50                                                                                                                                                                                               |
| Formulation          | Supplied in 10mM PBS, pH 7.4 with 0.05% BSA and 0.05% sodium azide. Contact us if you require this antibody in a different format.                                                                                   |
| Storage Instructions | Store at 2 to 8°C. Antibody is stable for 24 months.                                                                                                                                                                 |
| Host                 | Mouse                                                                                                                                                                                                                |
| Uniprot ID           | P13647 ; P05787                                                                                                                                                                                                      |

### Technical Details

|                            |                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------|
| Immunogen                  | Cytoskeletal preparation from HeLa cells                                                                    |
| Predicted Reactive Species | Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer                                                    |
| Isotype                    | IgG1, kappa                                                                                                 |
| Form                       | Liquid                                                                                                      |
| Concentration              | Purified antibody with BSA and azide at 200ug/ml                                                            |
| Purification               | Purified from Bioreactor Concentrate by Protein A/G chromatography.                                         |
| Suggested Dilutions        | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. |

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.  
Some PubMed article(s) citing the expression level of this target are as follows:  
Boster Bio's internal QC testing used:  
Flow Cytometry (1-2ug/million cells)  
Immunofluorescence (1-2ug/ml)  
Western Blot (1-2ug/ml)  
Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(For staining of formalin-fixed tissues, digest sections with trypsin at 1mg/ml PBS, 15 min at RT)Optimal dilution for a specific application should be determined.

## Anti-Cytokeratin 5/8 KRT5 Monoclonal Antibody (M00398) Images



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Anti-Cytokeratin 5/8 Monoclonal Antibody (C-50).

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