

Product datasheet for **BM5152P**

basic Cytokeratin Mouse Monoclonal Antibody [Clone ID: Ks pan 1-8]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | Ks pan 1-8 |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | Immunoblotting. Immunofluorescence. Immunohistochemistry on Frozen and cytological material. <i>Working Dilution:</i> 1/10 with PBS, pH 7.4 for Immunohistochemistry. <i>Incubation Time:</i> 1h at RT. |
| Reactivity: | Amphibian, Bovine, Human, Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Cytoskeletal proteins from cultured Human MCF-7 cells |
| Specificity: | This antibody represents an excellent marker for distinguishing carcinomas from non-epithelial tumors. Polypeptides Reacting: Mr 52 500-Mr 68 000 keratins (type II keratins K1-K8; formerly also designated Cytokeratins 1-8) of Human epithelial cells. Tumors Specifically Detected: All epithelium-derived neoplasms. Tested Reactivities on Cultured Cell Lines: MCF-7, RT 112, HT-29, Detroit 562, RPMI 2650, SSC-12, Bovine BMGE+H, BMGE-H, MDBK. |
| Formulation: | Final solution contains PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Purified State: Lyophilized purified IgG fraction |
| Reconstitution Method: | Restore in 1 ml distilled water |
| Purification: | Affinity Chromatography on Protein A |
| Conjugation: | Unconjugated |



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- Storage:** Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
- Stability:** Shelf life: one year from despatch.
- Background:** Cytokeratins are intermediate filament keratins found in the intracytoplasmic cytoskeleton of epithelial tissue. There are two types of Cytokeratins: the low weight, acidic type I cytokeratins and the high weight, basic or neutral type II. Cytokeratins are usually found in pairs comprising a type I Cytokeratin and a type II cytokeratin. The high molecular weight cytokeratins, which are the basic or neutral cytokeratins, comprise subtypes CK1 (67), CK2 (65.5), CK3 (64), CK4 (59), CK5 (58), CK6 (56), CK7 (54), CK8 (52.5) and CK9. The low molecular weight cytokeratins, which are the acidic cytokeratins, comprise subtypes CK10 (56.5), CK12 (56), CK13 (53), CK14 (50), CK16 (48), CK17 (46), CK18 (45), CK19 (48) and CK20 (46).