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BM562S Monoclonal Antibody to Cytokeratin 8 - Purified

Alternate names:	CK8, CYK8, Cytokeratin endo A, Cytokeratin-8, K8, KRT8, Keratin, Keratin-8, type II cytoskeletal 8
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families.
Uniprot ID:	P05787
NCBI:	NP_002264.1
GeneID:	3856
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	C-51
Immunogen:	Cytoskeleton preparation from HeLa cells.
Format:	**State:** Liquid purified IgG fraction (› 95% pure by SDS-PAGE) **Purification:** Affinity Chromatography on Protein A **Buffer System:** PBS, pH~7.4 **Preservatives:** 15 mM Sodium Azide
Applications:	**Immunoprecipitation.** **Western Blotting.** **Immunocytochemistry.** **Immunohistochemistry on Frozen and Paraffin Embedded Sections.** Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody reacts with Cytokeratin 8 (52.5 kDa). **Negative Species:** Mouse, Rat, Canine (Dog), Rabbit, Chicken, Xenopus.
Species Reactivity:	**Tested:** Human, Bovine, Porcine, Sheep.
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.
General Readings:	Bartek J, Vojtesek B, Staskova Z, Bartkova J, Kerekes Z, Rejthar A, Kovarik J: A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. J Pathol. 1991 Jul;164(3):215-24.

Pictures:

Detection of cytokeratin 8 in HeLa cell lysate by mouse monoclonal antibody C-51.