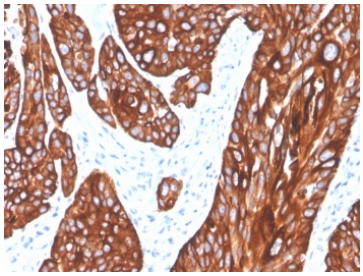
Cytokeratin 5 Antibody rKRT5/6398 / Keratin 5 Recombinant Mouse MAb [clone rKRT5/6398] (V8912)

Catalog No.	Formulation	Size
V8912-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8912-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8912SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

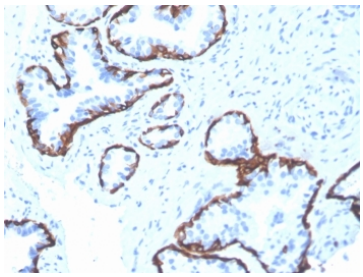
Recombinant MOUSE MONOCLONAL

Bulk quote request

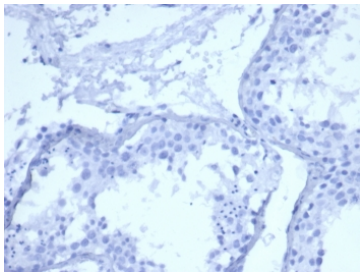
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rKRT5/6398
Purity	Protein A/G affinity
UniProt	P13647
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Cytokeratin 5 Antibody rKRT5/6398 is available for research use only.



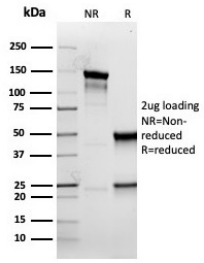
IHC staining of FFPE human squamous cell carcinoma tissue with Cytokeratin 5 Antibody rKRT5/6398. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostate tissue with Cytokeratin 5 Antibody rKRT5/6398. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human testis tissue with recombinant Cytokeratin 5 antibody (clone rKRT5/6398) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Cytokeratin 5 antibody (clone rKRT5/6398) as confirmation of integrity and purity.

Description

Cytokeratin 5 Antibody rKRT5/6398 recognizes a protein of 58kDa, which is identified as Cytokeratin 5 (KRT5). This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Antibodies to KRT5 identify basal cells of squamous and glandular epithelia, myoepithelial, and mesothelium. Anti-cytokeratin 5 has been reported useful in the differential diagnosis of metastatic carcinoma in the pleura versus epithelioid mesothelioma. Almost all squamous cell carcinomas, half of transitional carcinomas, and many undifferentiated large cell carcinomas express. Anti-KRT5, along with anti-p63, affords a high sensitivity and specificity for squamous differentiation. Myoepithelial cells of the breast, glandular epithelia, and basal cells of the prostate are labeled with anti-KRT5.

Explore our protein microarray-validated Cytokeratin 5 Antibody KRT5/3594 for investigating basal epithelial differentiation, squamous cell carcinomas, and keratin filament organization.

Application Notes

Optimal dilution of the Cytokeratin 5 Antibody rKRT5/6398 should be determined by the researcher.

Immunogen

A portion of amino acids 316-590 was used as the immunogen for the recombinant Cytokeratin 5 antibody.

Storage

Aliquot the Cytokeratin 5 Antibody rKRT5/6398 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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