

Product datasheet for **BM5153**

Cytokeratin 2 (KRT2) Mouse Monoclonal Antibody [Clone ID: Ks 2.398.3.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Ks 2.398.3.1
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting. Immunohistochemistry: 1:150.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (N-terminal amino acids Nos. 2-23) of human keratin K2 (MW 65,852).
Specificity:	Basic human keratin K2 (MW 65,852; formerly also designated cytokeratin 2e). Ks2.398.3.1 represents an excellent marker to study terminal epidermal differentiation. The mab is reactive with epidermal cells in uppermost suprabasal layers including scalp, foot and sole. It recognizes individual cells within epidermis of tongue and mamille (co-localization with keratin K10). It is also reactive on hyperkeratosis of diverse viral and genetic origin. The mab does not react with palate keratin K76.
Formulation:	State: Supernatant State: Liquid culture supernatant contains 0.09% sodium azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 2
Database Link:	Entrez Gene 3849 Human P35908



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Background:

Keratins are the major gene product of keratinocytes and form the intermediate filament cytoskeletal network in these cells. In cells of the upper spinous layer, KRT2E and KRT9 are expressed. Although the expression of KRT9 is limited to palmoplantar epidermis, KRT2E is expressed not only in this tissue but also in other regions, notably the epidermis covering the knee, thigh, and groin. It is not known whether these keratins simply replace their respective type I or type II counterpart in the preexisting KRT1/KRT10 network or dimerize with another, as yet undiscovered keratin partner.

Synonyms:

KRT2, KRT2A, KRT2E, Cytokeratin-2e, CK2e, K2e, Keratin-2