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Product datasheet for BM5047S

KRT13 Mouse Monoclonal Antibody [Clone ID: 1C7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1C7
Applications:	IF, IHC, WB
Recommended Dilution:	**Immunoblotting.** **Immunofluorescence.** **Immunohistochemistry on Frozen Sections:** 1/5-1/25, preferable in PBS. **Immunohistochemistry on Paraffin Sections:** 1/10 after TUF treatment.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Cytokeratin purified from Human esophagus
Specificity:	This Monoclonal Antibody *Clone 1C7* does stain non-cornifying squamous epithelium. In Immunoblotting experiments the antibody recognizes only Keratin 13 (54kD) and does not show any cross reactivity with other keratins. The antibody is a useful*Marker* for histopathology. Frozen sections give excellent results in immunoperoxidase and immunofluorescence tests. ***Cross reactivity:*** Vimentin : not detectable Desmin : not detectable GFAP : not detectable Neurofilament : not detectable.
Formulation:	State: Supernatant State: Liquid Culture Supernatant in 0.15M PBS with 0.09% Sodium Azide and 1% BSA
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 13

View online »

Database Link: Entrez Gene 3860 Human
P13646

Background: Cytokeratin 13 is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus.

Synonyms: CK-13, CK13, Keratin-13, KRT13, K13, KRT-13