

Product datasheet for **SM1359F**

Cytokeratin 14 (KRT14) Mouse Monoclonal Antibody [Clone ID: LL002]

Product data:

Product Type:	Primary Antibodies
Clone Name:	LL002
Applications:	FC, IF
Recommended Dilution:	Immunofluorescence. Flow Cytometry: Use 10 µl of neat-1/10 diluted antibody to label 1 ⁰ cells in 100 µl (Requires Membrane Permeabilisation).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Last 15 C-terminal residues of Human cytokeratin 14 conjugated to thyroglobulin.
Specificity:	Recognizes Cytokeratin 14, a type I intermediate filament, expressed by stratifying epithelial cells and can be used to distinguish these cell types from simple epithelial cells, which do not express Cytokeratin 14. Mouse anti Cytokeratin 14, clone LL002 has been reported to be suitable for use in Western blotting (<i>Alam et al.</i> 2011).
Formulation:	PBS Label: FITC State: Liquid purified IgG fraction from Tissue Culture Supernatant Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	keratin 14
Database Link:	Entrez Gene 3861 Human P02533
Background:	Keratin 14 is a member of the keratin family, the most diverse group of intermediate filaments. It is usually found as a heterotetramer with two molecules of keratin 5, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. Keratin 14 has been studied as a prognostic marker in breast cancer.
Synonyms:	Cytokeratin-14, CK14, Keratin 14, K14, KRT14