Product datasheet MON3074

Mouse anti-Keratin 14, Clone DE-SPK14

Clone no. DE-SPK14

MONOSAN

Product name	Mouse anti-Keratin 14, Clone DE-SPK14
Host	Mouse
Applications	IHC-fr, WB
Species reactivity	human
Conjugate	-
Immunogen	carboxy terminal sequence of human cytokeratin 14 (KVVSTHEQVLRTKN)
Isotype	IgG2b
Clonality	Monoclonal
Clone number	DE-SPK14
Size	100 ug
Concentration	lot specific
Format	-
Storage buffer	PBS with 0.08% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Cytokeratins (CK) are intermediate filaments of epithelial cells, both in keratinizing tissue (ie., skin) and non-keratinizing cells (ie., mesothelial cells). Although not a traditional marker for endothelial cells, cytokeratins have also been found in some microvascular endothelial cells. Atleast 20 different cytokeratins (CK) in the molecular range of 40-70 kDa and isoelectric points of 5-8.5 can be identified using two dimensional gel electrophoresis. Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). At least one member of the acidic family and one member of the basic family is expressed in all epithelial cells. Monoclonal antibodies to cytokeratin proteins can be useful markers for tumor identification and classification. This antibody reacts specifically with human keratin 14 by immunoblotting. In tissue sections, it provides a positive reaction on basal cells of non-keratinizing stratified epithelia, basal cells and suprabasal cells of the epidermis and gingiva, myoepithelial cells and squamous cell carcinomas.

References

1. Moll et al. Cell 1982;31:11-24
2. Ivanyi et al. AmJVetRes 1992;52:304-314
3. -
4. -
5. -