

## Keratin 14 Polyclonal Antibody, Purified

<b>Catalog# / Size</b>	905301 / 100 µL
<b>Clone</b>	Poly19053
<b>Isotype</b>	Rabbit Polyclonal
<b>Description</b>	This antibody is effective in immunohistochemistry (IHC).  This product may contain other non-IgG subtypes.

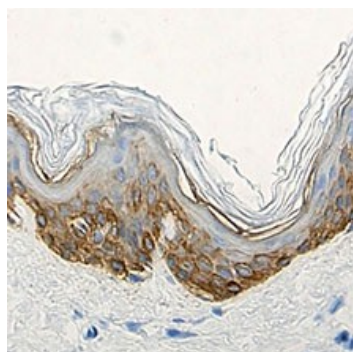
### Product Details

<b>Product Information</b>	<p><b>Intended Use:</b> In Vitro Diagnostic (IVD). Use in immunohistochemistry (IHC) test methods only. The polyclonal antibody Poly19053 is used for the in vitro examination of frozen or paraffin-embedded human skin tissue sections using immunohistochemistry (IHC) methods for the qualitative identification of Keratin 14. The clinical interpretation of any staining or its absence should be complemented by morphological studies and proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.</p>
<b>Reactivity</b>	Human
<b>Formulation</b>	Phosphate-buffered solution + 0.03% Thimerosal.
<b>Preparation</b>	The antibody was purified by peptide affinity chromatography.
<b>Concentration</b>	1.0 mg/mL
<b>Storage &amp; Handling</b>	When stored at ≤ -20°C, product is stable until the date shown on the label. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. If thawed and stored between 2°C and 8°C, product is stable for 24 months from the date of thaw or until the expiry date on the label, whichever comes first.
<b>Recommended Usage</b>	<p>Each lot of this antibody is quality control tested by immunohistochemical staining of formalin-fixed paraffin-embedded sections of normal human skin. Frozen human skin tissue has been verified during product development</p> <p>The optimal working dilution should be determined for each specific assay condition.</p> <ul style="list-style-type: none"> <li>• <b>IHC:</b> 1:1,000 with either biotin based detection systems such as USA Ultra Streptavidin Detection (Cat. No. 929501).</li> </ul> <p><i>Tissue Sections:</i> Paraffin-embedded tissues, frozen tissues <i>Pretreatment:</i> For optimal staining, the sections should be pretreated with an antigen unmasking solution such as Citrate Buffer Retrieval solution (Cat. No. 928502). <i>Incubation:</i> 60 minutes at room temperature</p>
<b>Application References</b>	<ol style="list-style-type: none"> <li>1. Wend P, et al. Wnt/β-catenin signalling induces MLL to create epigenetic changes in salivary gland tumours. <i>EMBO J.</i>, Jun 2013.</li> <li>2. Welm AL, Kim S, Welm BE, Bishop JM. MET and MYC cooperate in mammary tumorigenesis. <i>Proc Natl Acad Sci USA</i> 102(12):4324-9, 2005. <b>[IHC]</b> <a href="#">PubMed</a></li> <li>3. Hu Y, Baud V, Oga T, Kim KI, Yoshida K, Karin M. IKKα controls formation of the epidermis independently of NF-κB. <i>Nature</i> 410:710-714, 2001.</li> <li>4. Yuspa SH, Kilkenny AD, Steinert PM, Roop DR. Expression of murine epidermal differentiation markers is tightly regulated by restricted extracellular calcium concentrations in-vitro. <i>J Cell Biol</i> 109:1207-1217, 1989.</li> <li>5. Roop DR, Cheng CK, Titterton L, Meyers CA, Stanley JR, Steinert PM, Yuspa SH. Synthetic peptides corresponding to keratin subunits elicit highly specific antibodies. <i>J Biol Chem</i> 259:8037-8040, 1984.</li> <li>6. Liang Y. 2011. <i>Patholog Res Int.</i> 2011:93674. (IHC) <a href="#">PubMed</a></li> <li>7. Easter SL, et al. 2014. <i>PLoS One.</i> 9:113247. (IF, WB) <a href="#">PubMed</a></li> <li>8. Frew IJ, et al. 2008. <i>Mol Cell Biol.</i> 28:4536. (IHC) <a href="#">PubMed</a></li> <li>9. Levy V, et al. 2007. <i>FASEB J.</i> 21:1358. (IHC) <a href="#">PubMed</a></li> <li>10. Sengupta A, et al. 2010. <i>PLoS One.</i> 5:12249. (IHC) <a href="#">PubMed</a></li> <li>11. Smith BA, et al. 2012. <i>Genes Cancer.</i> 3:550. (IHC) <a href="#">PubMed</a></li> </ol>
<b>(PubMed link indicates BioLegend citation)</b>	

**Disclaimer****WARNINGS AND PRECAUTIONS**

1. Use appropriate personal protective equipment and safety practices per universal precautions when working with this reagent. Refer to the reagent safety data sheet.
2. All specimens, samples and any material coming in contact with them should be considered potentially infectious and should be disposed of with proper precautions and in accordance with federal, state and local regulations.
3. Do not use this reagent beyond the expiration date stated on the label.
4. Do not use this reagent if it appears cloudy or if there is any change in the appearance of the reagent as these may be indication of possible deterioration.

**Product Data**



Strong cytoplasmic staining of the epidermis in normal human skin tissue detected with anti-K14 (clone Poly19053).



**BioLegend, Inc.**  
8999 BioLegend Way  
San Diego, CA 92121  
USA

**EC REP** **MedEnvoy Global B.V.**  
Prinses Margrietplantsoen 33 – Suite 123  
2595 AM The Hague  
The Netherlands

**UK Responsible Person**  
**MedEnvoy UK Limited**  
85, Great Portland Street, First Floor  
London, W1W 7LT  
United Kingdom

Symbol	Symbol Title	Description
	CE marking	A "CE" mark indicates that a product has been assessed before being placed on the market, and has been found to meet European Union safety, health, and/or environmental protection requirements.
	UKCA marking	A "UKCA" mark indicates that a product has been assessed before being placed in the UK market, and has been found to meet UK safety, health, and/or environmental protection requirements.

**Symbols Glossary\***

Symbol	Meaning	Symbol Title	Symbol No.	Symbol	Meaning	Symbol Title	Symbol No.
	Catalog number	Catalogue number	5.1.6		Indicates the need for the user to consult the instructions for use.	Consult instructions for use	5.4.3
	Indicates the temperature limits to which the medical device can be safely exposed.	Temperature limit	5.3.7		Indicates a medical device that needs protection from light sources.	Keep away from sunlight	5.3.2
	Indicates the upper limit of temperature to which the medical device can be safely exposed.	Upper limit of temperature	5.3.6		Indicates the date after which the medical device is not to be used.	Use-by date	5.1.4
	Indicates the medical device manufacturer.	Manufacturer	5.1.1		Indicates the authorized representative in the European community.	Authorized representative in the European community.	5.1.2
	Indicates the manufacturer's batch code so that the batch or lot can be identified.	Batch code	5.1.5		Indicates a medical device that is intended to be used as an in vitro diagnostic medical device.	<i>In vitro</i> diagnostic medical device	5.5.1

\* Symbol information is from EN ISO 15223-1:2016 Medical Devices-Symbols to be used with medical device labels, labelling and information to be supplied-Part 1: General requirements

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8999 BioLegend Way, San Diego, CA 92121 [www.biolegend.com](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587