

Miralys™ TurboPlex Tissue Morphology Panel

This product is to be used in conjunction with MALDI HIPLEX-IHC MIRALYS™ IMAGING LABORATORY WORKFLOW document (“Miralys™ Protocol”); email support@ambergen.com for a copy.

Contents:

One (1) 15-plex Miralys™ probe mixture – store at -20°C and protect from prolonged light exposure. This panel was tested and optimized on FFPE human tonsil tissue samples.

Directions:

1. Begin by preparing sample as per the Miralys™ Protocol, completing Steps 1 through 8.
2. Because the Miralys™ panel is pre-mixed, **perform the following in place of Step 9:**
 - a. Prior to opening probe vial:
 - Vortex for 30 seconds with a benchtop vortex
 - Centrifuge for 1 minute at full speed
 - b. Based on volume in tube as recorded on tube label, dilute to 200 µL with Tissue Blocking Buffer. Vortex for 30 seconds and centrifuge again for 1 minute each.
3. Begin again with the Miralys™ Protocol at Step 10; follow through to the end to prepare sample.
4. Image in any MSI instrument.

Target	Clone	PC-MT (Da)*	Reactivity	Concentration (µg/mL)
Actin-αSM	D4K9N	1251.67	H, M, R, Hm, Mk	2.50
B-Actin	D6A8	1206.71	H, M, R, Dm, Mk, Z	1.00
B-Catenin	D10A8	863.51	H, M, R, Mk	2.50
Caveolin-1	D46G3	1356.67	H, M, R, Hm, Dg, Mk	2.50
CD31	89C2	1107.67	H	3.75
CD34	EPR2999	1112.62	H	4.50
Collagen-1A1	E8F4L	1234.86	H, M	2.50
Collagen IV	EPR20966	1623.78	H	5.00
ECAD (E-Cadherin)	4A2	930.55	H, M, R	2.50
FN1 (Fibronectin)	E5H6X	1068.59	H	3.75
Histone H2A.X	D17A3	1226.81	H, M, R, Mk	2.50
Na/K ATPase-α1	D4Y7E	1222.79	H	2.50
PanCK	C11	1628.78	H, M, R, Mk	1.75
PDPN (Podoplanin)	LpMab-12	954.55	H	3.75
VIM (Vimentin)	D21H3	1230.84	M, R, H, Hm, Mk	1.25

*PC-MT (Da) = Monoisotopic (M+H)⁺ of the mass reporter