

Product Specifications

UltraPlex mxIF HI-2A Panel – Human CD68, CD163, Pan-CK, PD-L1

Description: UltraPlex mxIF panel to detect human CD68, CD163, Pan-CK and PD-L1
Cat. No.: HI02A-005
Application: IHC-P
Product Overview: All components required to stain 5 multiplex slides plus a single negative control slide with a simple two step protocol.

1° Antibody	Clone	1° Hapten	2° Antibody	2° Fluor	Absorbance (nm)	Emission (nm)	Filter Set Examples	ExCoeff (M-1cm-1)
CD163	EPR19518	CH015	Anti-CH015	CL-490	491	515	FITC/GFP	73,000
PD-L1	CAL10*	CH014	Anti-CH014	CL-550	550	575	Rhodamine/TRITC/Cy3	150,000
Pan-CK	AE1/AE3	CH016	Anti-CH016	CL-650	655	676	Cy5	250,000
CD68	C68/684	CH019	Anti-CH019	CL-750	759	780	Cy7	240,000

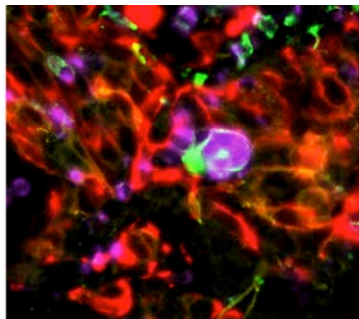
Optimized for use on FFPE tissue sections.
 Suitable for conventional imaging using defined filter sets.
 Additional negative control (secondary reagents alone) are available, see NEG01A
 Depending on your imaging scanner or microscope you may want to use Product HI02B with 490, 550, 594 and 650nm fluors instead.

Components:
 Vial 1: Antibody Diluent Solution
 PBS, 1% BSA, 0.2% Tween 20, 15mM sodium azide
 Vial 2: Protein Block Solution
 PBS, 3% normal rabbit serum, 0.1% TritonX, 15mM sodium azide
 Vials 3-6: Primary Antibody-Hapten
 Each 10ul at 0.5ug/ul in PBS, 15mM sodium azide, suggested dilution 1/100
 Vials 7-10: Secondary Antibody-Fluor
 Each 12ul at 0.5ug/ul in PBS, 15mM sodium azide, suggested dilution 1/100

Storage: 2-8°C
Shelf-Life: Not determined.
Protocols: Download and use the following suggested protocols:

	Manual	Bond Rx
Antigen Retrieval	LINK	LINK
Staining	LINK	LINK

Notes:



Lung cancer biopsy stained with HI-2A UltraPlex panel: CD68 (purple), CD163 (green), Pan-CK (red), PD-L1 (yellow). Tissue courtesy of Dr Jair Bar, Sheba Medical Institute.

Suggested Mounting Medium: Fluoroshield plus DAPI, ImmunoBioScience
 DO NOT USE: Vectashield Mounting Reagent, Vector Labs

Disclaimer: * This antibody product was developed by Calico Biolabs, Inc.
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