



## Product Specifications

### UltraPlex mxIF HI-5B Panel – Human CD8, CD68, PD-1, PD-L1

Description: UltraPlex mxIF panel to detect human CD8, CD68, Pan-CK and PD-L1  
 Cat. No.: HI05B-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)
CD8	EP334	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
PD-1	EP239	CH016	Anti-CH016	CL-650	655	676	Cy5	250,000
CD68	C68/684	CH019	Anti-CH019	CL-594	594	615	Texas Red	92,000

Optimized for use on FFPE tissue sections.  
 Suitable for spectral imaging.  
 Additional negative control (secondary reagents alone) are available, see NEG01B  
 Depending on your imaging scanner or microscope you may want to use Product HI05A with 490, 550, 650 and 750nm 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	<a href="#">LINK</a>	<a href="#">LINK</a>
Staining	<a href="#">LINK</a>	<a href="#">LINK</a>

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

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

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