

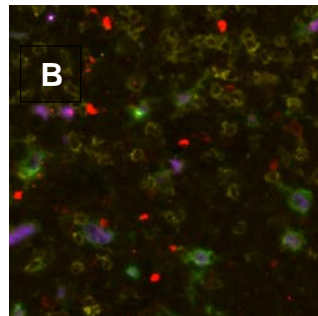
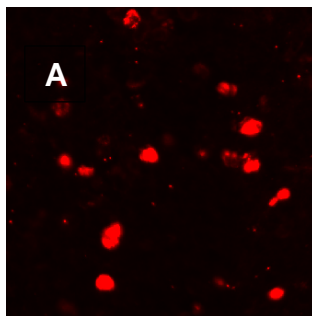
Product Specifications

UltraTag Multiplex Labeling & Detection Kit - UTK-650

- Description:** Kit to label 50 µg of customer provided, purified primary antibody with CH021 hapten, and CL650 fluor labeled anti-CH021 detector antibody to stain 15-20 slides by IHC
- Cat. No.:** UTK-650
- Application:** Multiplex immunoassays including fluorescent immunohistochemistry (IHC), immunocytochemistry (ICC) and ELISpot. It is recommended to select an antibody that works well in the intended application.
- primary antibody must be purified at a concentration of 0.9-1.1 mg/ml in buffer free of extraneous proteins such as serum, BSA or gelatin. Antibody formulations containing azide, trehalose or other sugars as well as any buffer containing tris are acceptable
 - For fluorescence based multiplex IHC we suggest pre-qualifying your primary antibody by conventional IHC. Antibodies which stain well below 1 µg/ml are good candidates for UltraTag. Each antibody is different and performance of individual clones cannot be guaranteed.
- Components:** All components required to label 50 µg of purified antibody with a recommended starting concentration 0.9-1.1 mg/ml in carrier-free buffer to Cell IDx hapten CH021. The kit includes 3 required spin purification columns, antibody linker and lyophilized hapten. Also included is CL650 fluor labeled rabbit anti-CH021 detector antibody to stain 15-20 slides – 30 µl of concentrated antibody at 0.5 µg/ul, in PBS, 15mM sodium azide, suggested dilution 1/100

Anti-Hapten Antibody	Fluor	Absorbance (nm)	Emission (nm)	Extinction Coefficient (M ⁻¹ cm ⁻¹)	Recommended Exposure Time (ms)
CH021	CL650	491	515	73,000	100-300

- Storage:** 2-8°C
- Shelf-Life:** Not determined.
- Protocol:** [LINK](#)
- Notes:**



(A) LAG3-CH021/anti-CH021-CL650, (B) UltraTag multiplex **CD163/CD4/CD68/LAG3**; primary and anti-hapten antibody staining @ 5 µg/mL; clones CD163 (EPR19518), CD4 (EP204), CD68 (68/684)/LAG3 (294)

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