

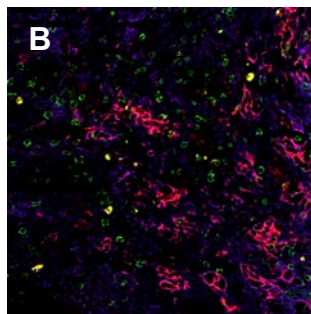
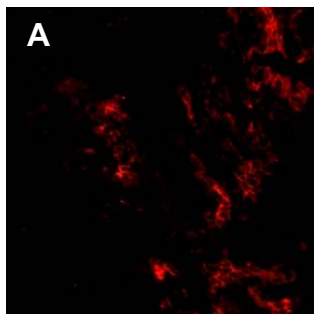
## Product Specifications

### **UltraTag Fluorescent Multiplex Labeling & Detection Kit - UTFK-650**

- Description:** Kit to label 50 µg of customer provided, purified, carrier-free primary antibody with Cell IDx UT021 Tag, and CL650 fluor labeled anti-UT021 detector antibody to stain 15-20 slides by IHC
- Cat. No.:** UTFK-650
- Application:** Make your own fluorescent multiplex staining panels. Antibodies labeled with different UltraTag kits ((UTFK-490, UTFK-550, UTFK-650, and UTFK-594 or UTFK-750) can be combined to create 4-plex fluorescent multiplex IHC panels using included fluor labeled anti-Tag detector antibodies.
- Please ensure your antibodies for labeling are at 0.9-1.1mg/ml in buffer free of extraneous proteins such as BSA, serum or gelatin. Antibody formulations containing azide, trehalose or other sugars as well as any buffer containing tris are acceptable.
  - Select antibodies that work well in your desired application. Antibodies with strong binding profiles are usually good candidates. We recommend selecting clones which stain strongly at less than 1ug/ml when tested by conventional IHC. However, 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 UT021 Tag. The kit includes 3 required spin purification columns, antibody linker and lyophilized Tag. CL650 fluor labeled rabbit anti-UT021 detector antibody sufficient to stain 15-20 slides is also included. Additional CL650 fluor labeled rabbit anti-UT021 detector antibody is also available (see product UTFX-650)

Anti-Tag Antibody	Fluor	Absorbance (nm)	Emission (nm)	Extinction Coefficient (M <sup>-1</sup> cm <sup>-1</sup> )	Recommended Exposure Time (ms)
<b>UT021</b>	CL650	655	676	250,000	200-400

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



(A) PD-L1-UT021/anti-JT021-CL650, (B) UltraTag multiplex CD8/GZB/PanCK/PD-L1; primary and anti-Tag antibody staining @ 5 µg/mL; clones CD8 (EPR10640(2)), Granzyme B (EPR20129-127), PanCK (AE1/AE3)/PD-L1 (73-10). Human tonsil.

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