APC FixVUE

formerly UltiMapper® I/O APC

Identify and characterize professional antigen-presenting cells (APCs).

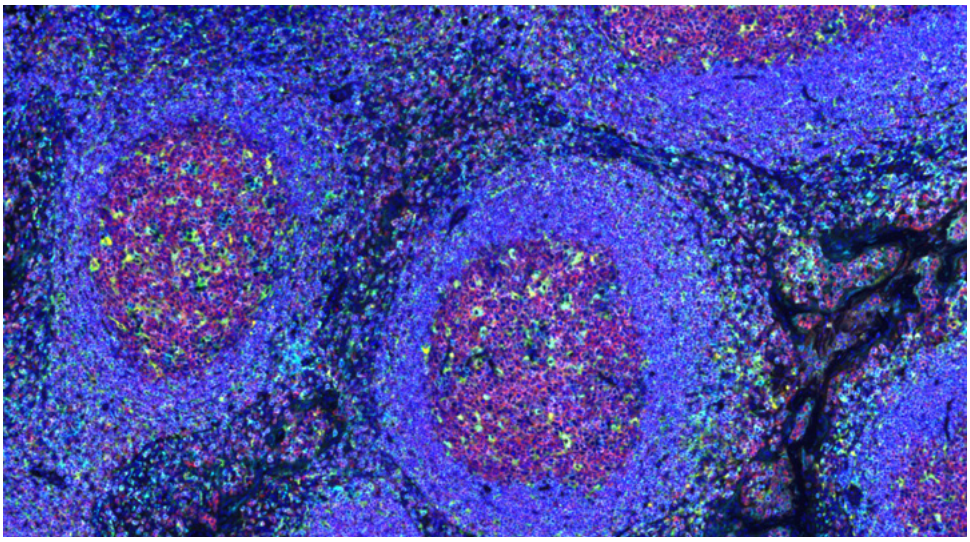
This APC 4-plex/5-color panel enables co-expression to visualize specific subsets of cells along the dendritic, monocyte/macrophage, and B cell lineages.

This antibody panel consists of the following markers:

CD11c | CD20 | CD68/CD163 | MHC Class II | Nuclear counterstain

Cell Phenotypes

Cell Phenotyping with the APC FixVUE Panel



APC FixVUE Panel staining tonsil tissue. CD11c (green), CD20 (red), CD68/CD163 (yellow), MHC II (cyan), and nuclear counterstain (blue).

The APC FixVUE antibody panel enables users to identify and characterize professional antigen-presenting cells (APCs). CD11c is highly expressed on the surface of dendritic cells. CD20 is a marker of B cells. A cocktail of CD68 and CD163 identifies macrophages. MHC class II is expressed on APCs. The co-localization of these markers allows for the identification of specific subsets of cells along the dendritic, monocyte, macrophage, and B cell lineages.

Phenotype	CD11c	CD20	CD68/CD163	MHC II
Dendritic cells	✓			✓
B cells		✓		✓
Macrophages	✓		✓	✓
Professional antigen-presenting cells				✓

Product Biology

Marker	Main Cell Type	Function
CD11c	Dendritic cells	Dendritic cells modulate T cell, B cell, monocyte/ macrophage function to link innate and adaptive immunity.
CD20	B cells	B cells function within the adaptive immune response and are responsible for the development and secretion of antibodies. CD20 is a pan-B cell marker.
CD68/CD163	Macrophages	Macrophages modulate the immune response.
MHC II	Professional antigen-presenting cells	MHC Class II is responsible for the presentation of pathogenic epitopes to the immune system.