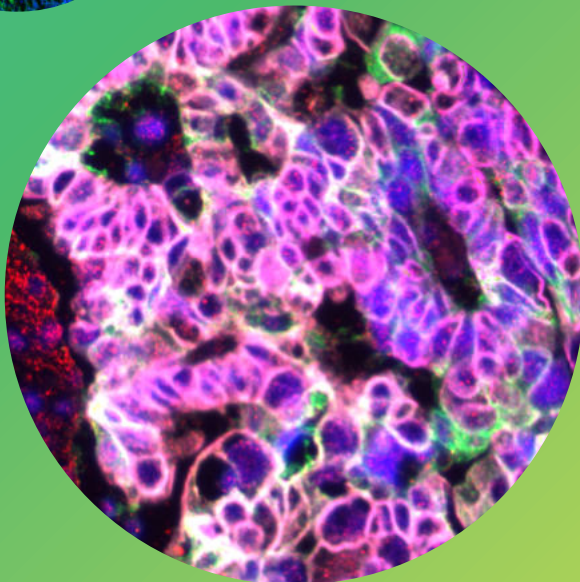
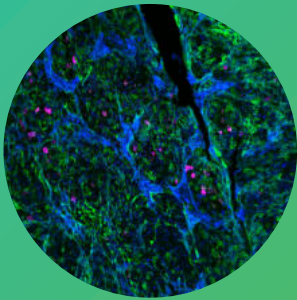


arcoris bio

immunoMUSE

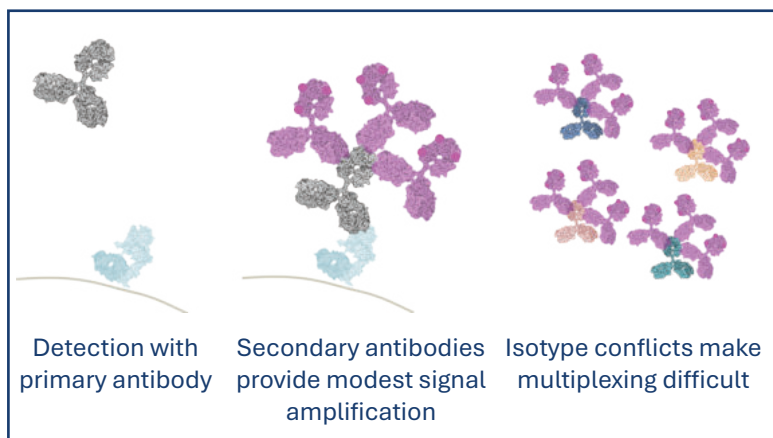


- real simultaneous multiplex
- build your own panel
- no species or isotype constraints
- high signal-to-noise ratio
- easy to use, same day results
- no specialized equipment required

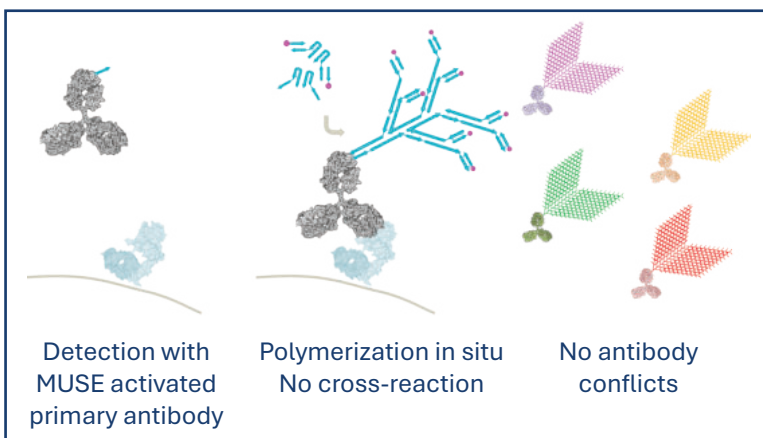
Multiplex IF without limitations

Higher Sensitivity. True Panel Freedom.

What makes multiplex IF challenging?



What makes MUSE shine?



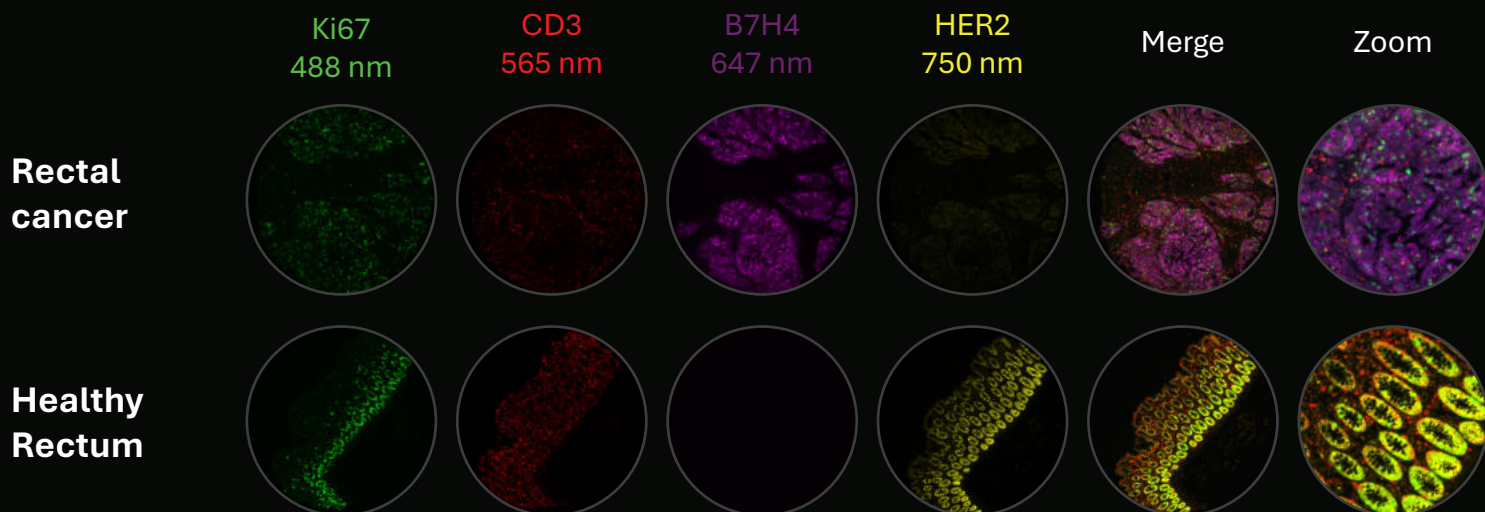
Real multiplexing without constraints

Combine primary antibodies* freely without species or isotype limitations. Design your panel for simultaneous multiplex staining with your preferred primary antibodies, don't compromise on secondary antibody compatibility.

*primary antibodies need to be carrier-free

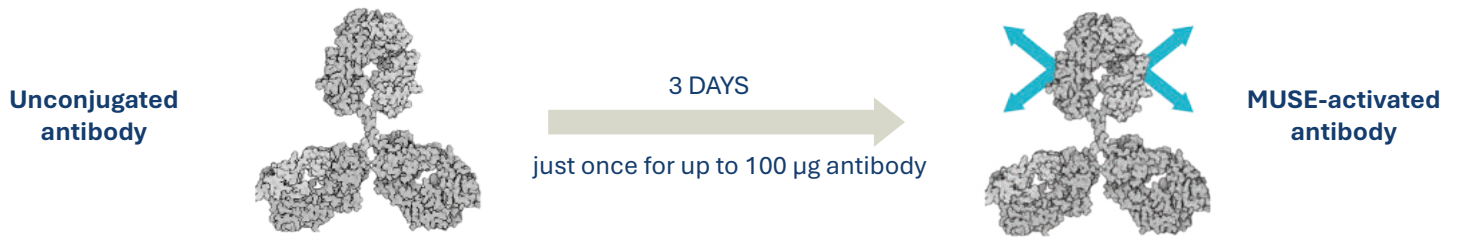
Higher sensitivity than secondary antibodies

Detect low-abundance biomarkers with strong, clear signal. immunoMUSE provides high signal-to-noise, ideal for challenging targets and samples where conventional secondary antibody workflows often fall short.



4-plex immunoMUSE Activate & Amplify staining comparing Ki67, CD3, B7H4, and HER2 expression levels between rectal tumor tissue and adjacent healthy tissue

Straightforward & precise antibody conjugation

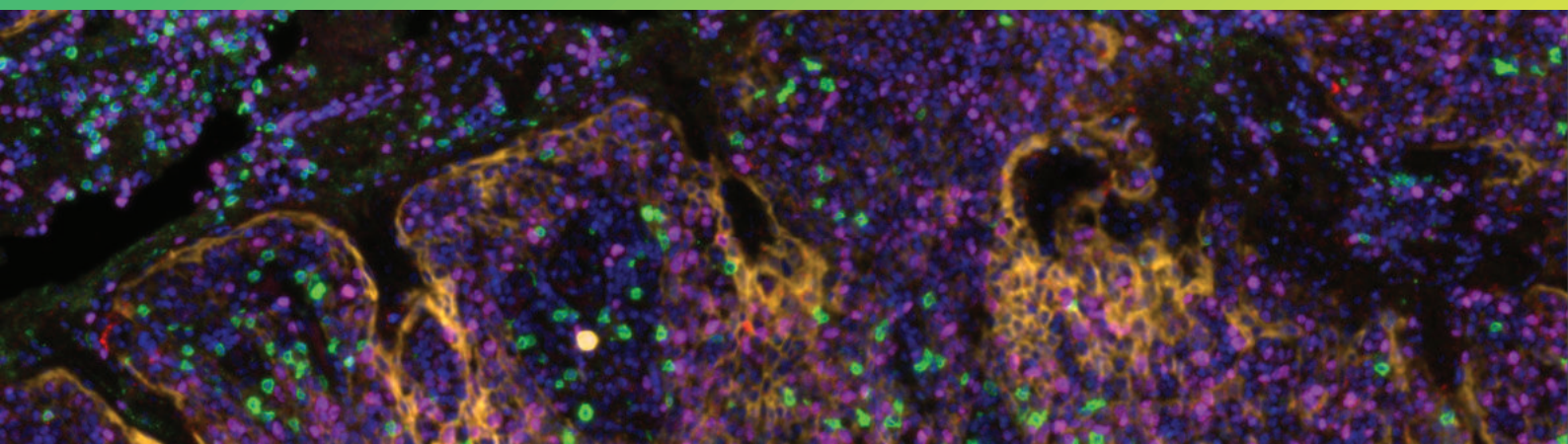


2 steps, 4 droppers, one streamlined staining workflow



MUSE vs Cyclic IF vs TSA

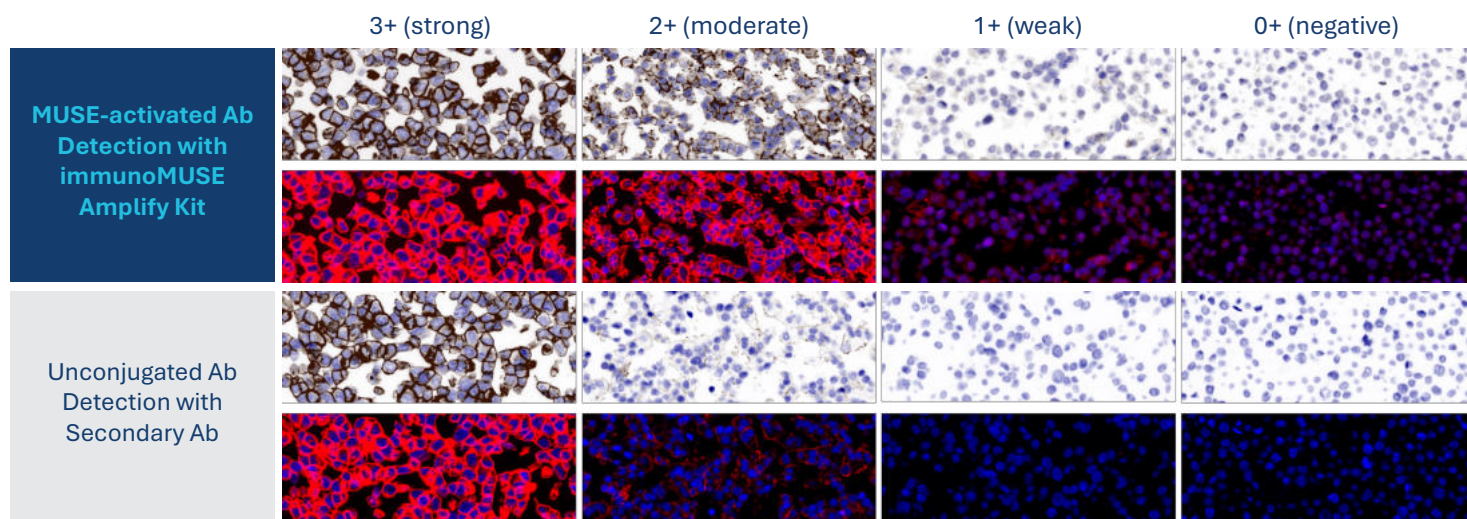
	Cyclic IF	TSA	MUSE
Signal-amplification	secondary antibodies	multistep, enzymatic; cycle dependent	2 MUSE steps, enzyme free, all targets amplified simultaneously
Isotype Restriction	Yes	Yes	No (all primary antibodies added simultaneously)
Cycling & Stripping	Yes	Yes	No
Tissue burden	High (increases with cycles)	High (increases with cycles)	Low
Protocol	Complex	Complex	Simple
Time to result	scales with plex	scales with plex	independent of plex / same-day results
Sensitivity	+	++	++



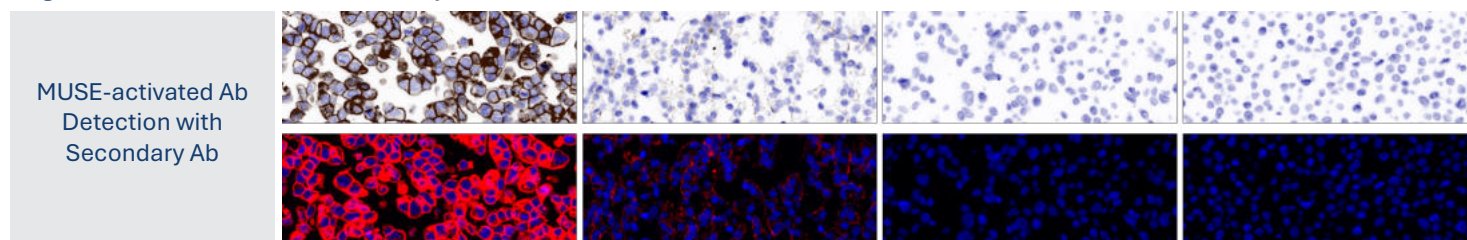
Detect what others miss

Higher Sensitivity than secondary antibodies

HER2 detection on a HER2 cell pellet array.



Detect low-abundance biomarkers with strong, clear signal. immunoMUSE provides high signal-to-noise, ideal for challenging targets where conventional secondary antibodies often fall short.



Keep your options open: MUSE-activated antibodies remain compatible with conventional secondary antibody detection



START HERE

immunoMUSE Activate & Amplify kit

for researchers starting with preferred primary antibodies

Includes reagents to activate antibodies for MUSE technology and perform complete staining workflows.

5, 25 or 50 slides.



SCALE UP

immunoMUSE Amplify kit

for users who already have MUSE-activated antibodies

Provides additional amplifiers for staining as experiments grow.

25 or 50 slides.

All our kits are available as 1-, 2-, or 4-plex with readout fluorophores 488, 565, 647 and 750 nm.



Learn more

Scan the QR code to visit

<https://www.arcorisbio.com/immunomuse-kits>

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