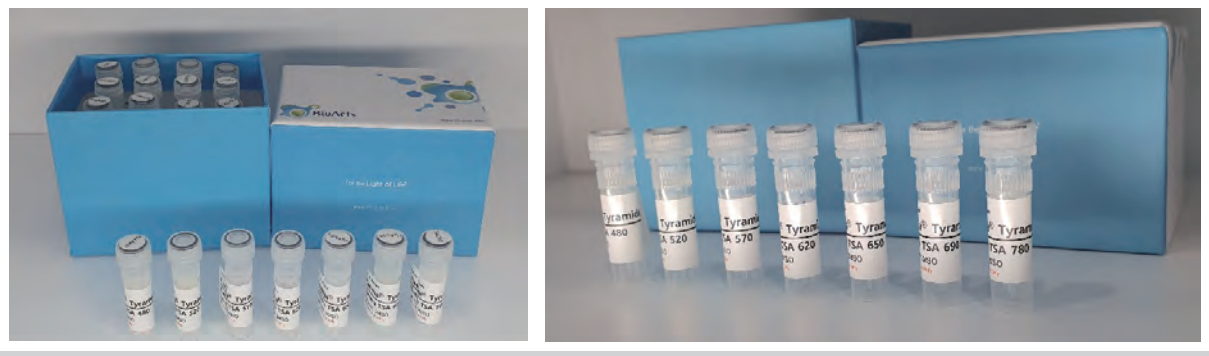


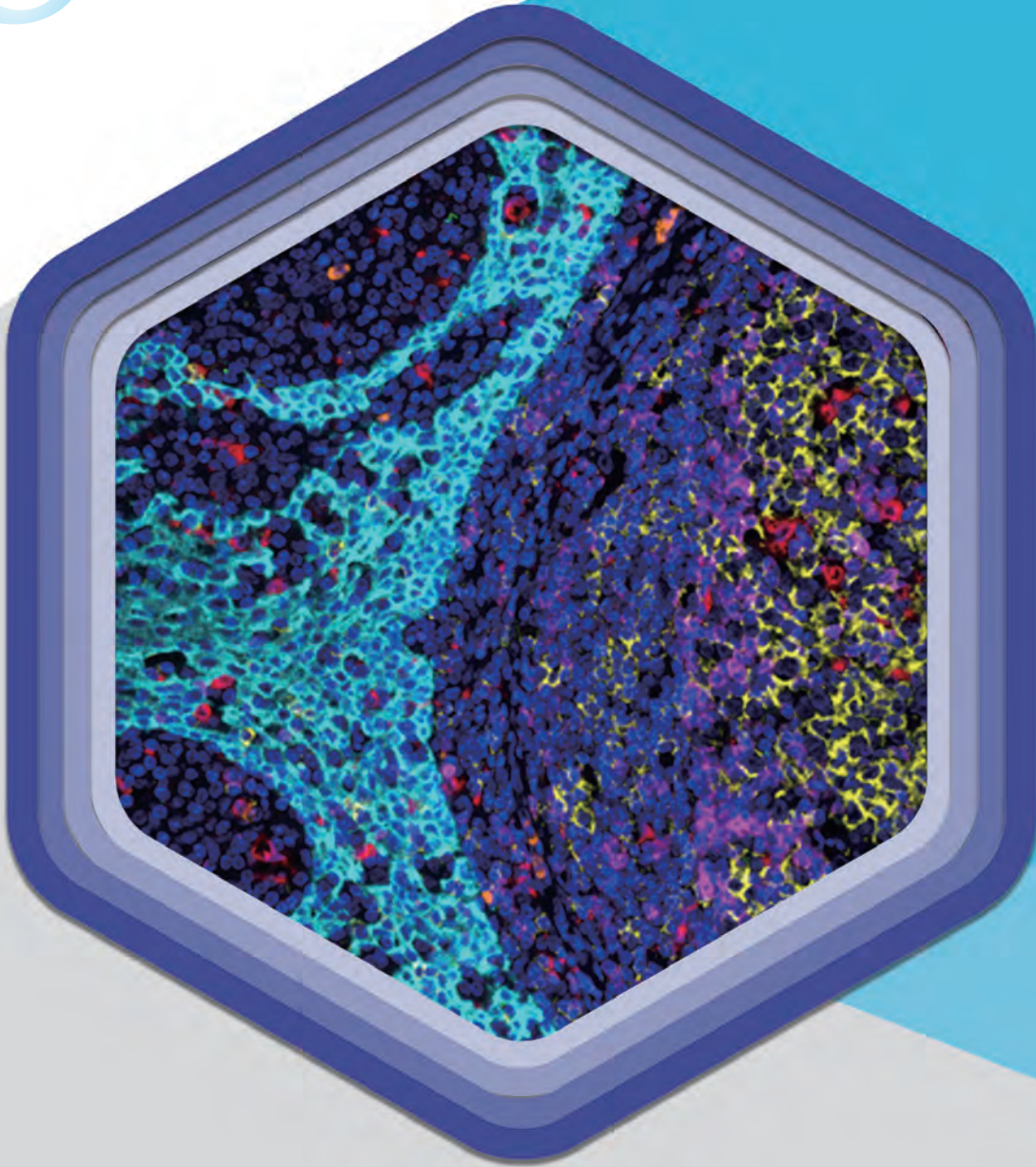
BioActs - Tyramide Signaling Amplification Regents



Product name	Ex (nm)	Em (nm)	Amount	Catalog number
Flamma® 480 Tyramide dye	450	500	Up to 50 slides	XTD1011
Flamma® 520 Tyramide dye	494	525	Up to 50 slides	XTD1031
Flamma® 540 Tyramide dye	523	536	Up to 50 slides	XTD2011
Flamma® 570 Tyramide dye	550	570	Up to 50 slides	XTD3011
Flamma® 620 Tyramide dye	588	616	Up to 50 slides	XTD2051
Flamma® 650 Tyramide dye	627	650	Up to 50 slides	XTD3031
Flamma® 690 Tyramide dye	676	694	Up to 50 slides	XTD3041
Flamma® 780 Tyramide dye	750	770	Up to 50 slides	XTD3051

PhenoFlamma™ Multiplex IHC panel kits

TSA Fluorophore	Multiplex IHC panel kits
● 520, ● 570	2-plex Macrophage kit (CD68, CD163)
● 520, ● 570, ● 650	3-plex T Lymphocyte kit (CD4, CD8, FOXP3)
● 520, ● 570, ● 650	3-plex Lymphocyte & Macrophage kit (CD3, CD20, CD68)
● 480, ● 520, ● 570, ● 620, ● 690, ● 780	6-plex Lymphocyte & Macrophage kit (CD4, CD8, FOXP3, CD20, CD68, CD163)

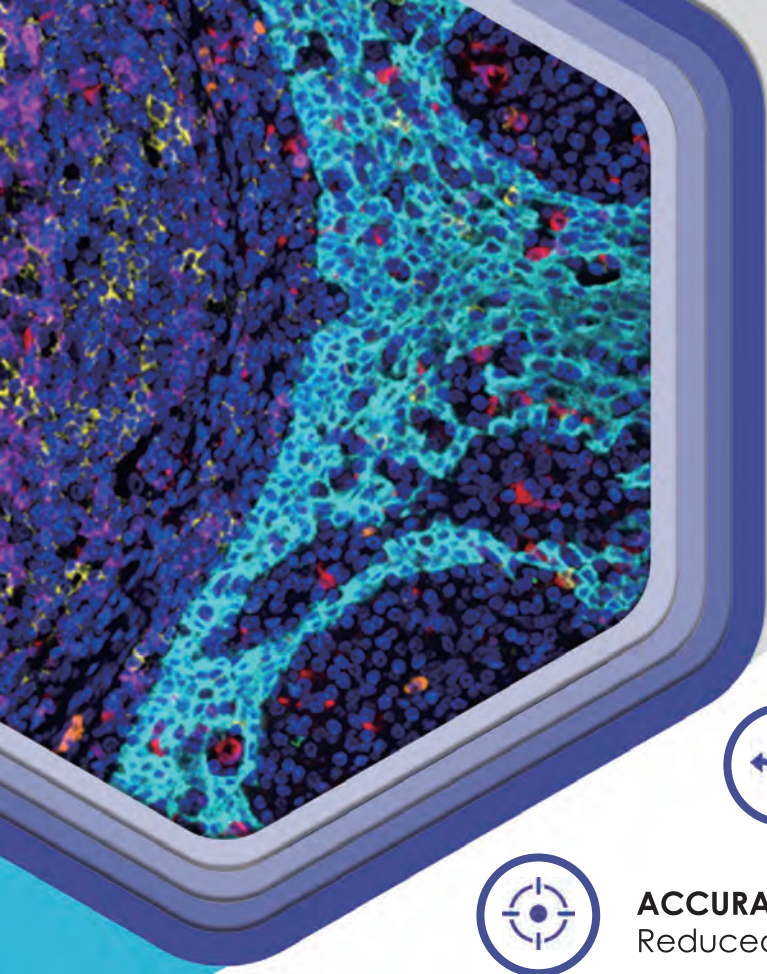


PhenoFlamma™
Multiplex
IHC staining kits

BIOACTS
BioActs Co., Ltd.
Head office 9, Cheongneung-daero 595 beon-gil,
Namdong-gu, Incheon 21666, Korea
PHONE: +82-32-818-9100 FAX: +82-32-818-8206
WEBSITE : www.bioacts.com

ORDER SUPPORT : support@bioacts.com, ivd@bioacts.com
CUSTOMER SUPPORT : support@bioacts.com, ivd@bioacts.com
B2B/BULK ORDER SUPPORT : support@bioacts.com, ivd@bioacts.com





PhenoFlamma™ Multiplex IHC

Provides a wide range of possibilities for IHC analysis



SCALABILITY
Up to 8-plex staining on one slide



SUPERIORITY
Higher fluorescence signal than conventional IF staining

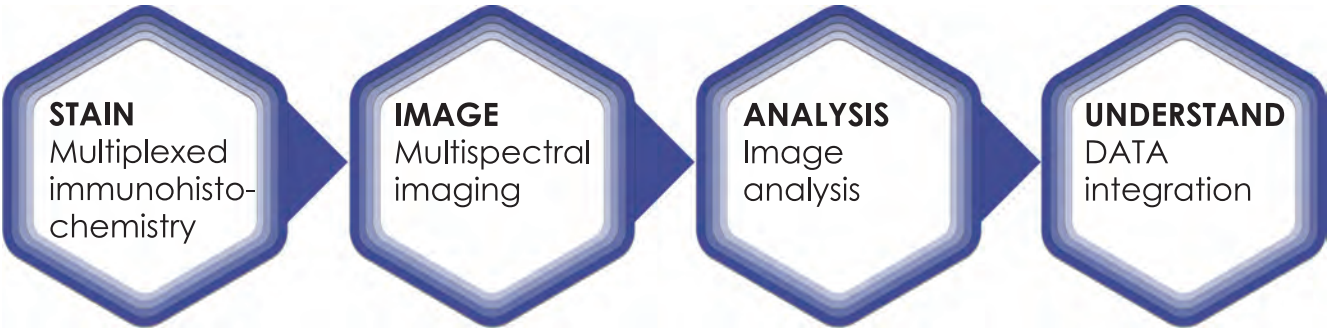


FLEXIBILITY
Solutions for Selecting Your Desired Marker



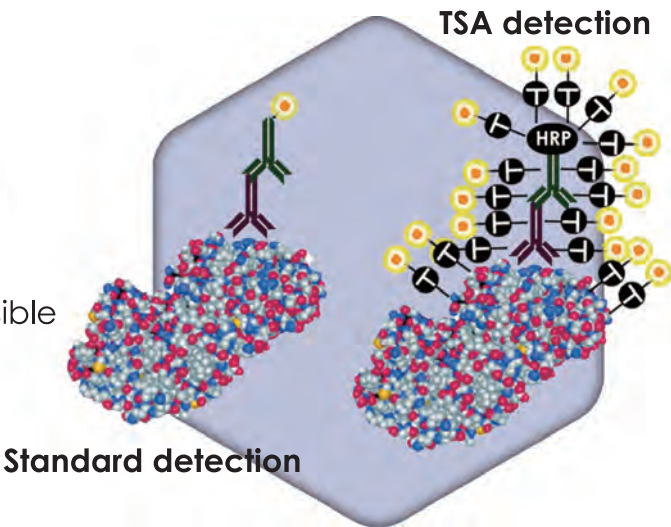
ACCURACY
Reduced background signal and clear selectivity

SCHEME



TECHNICAL FEATURES

- 10 to 100 times improvement of conventional fluorescence sensitivity
- Minimize auto-fluorescence
- Use multiple markers simultaneously
- Immunoassay signal amplification possible
- Chromogenic or fluorescent labeled probes available



IMMUNE CELLS ANALYSIS using PhenoFlamma™ 6-plex IHC staining

Bio-Markers for Phenotyping

Phenotype	CD8	FOXP3	CD68	PD-1	PD-L1	CK
Cytotoxic T cell	+	-	-	-		
Regulatory T cell	-	+	-	-		
Exhausted cell	-	-	-	+		
Exhausted cytotoxic T cell	+	-	-	+		
Exhausted T-reg	-	+	-	+		
Macrophage	-	-	+	-		
Immunosuppressive Macrophage	-	-	+	+		
Tumor cell	-	-	-	-	-	+
Immune evading tumor cell	-	-	-	-	+	+

