MIBI-VALIDATED ANTIBODIES FOR SPATIAL PROTEOMICS SERVICES

Mouse Advanced Cell Classification Panel

- Ideal for preclinical studies

- Identifies up to 20 cell populations

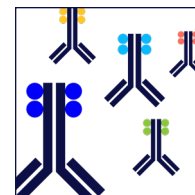- Analyze activation marker expression

The Mouse Advanced Cell Classification Panel is ideal for preclinical studies using mouse tissue and provides classification of up to 20 cell populations as well as expression analysis of activation markers.

20-MARKER PANEL

CD11b	CD45	Granzyme B	β-tubulin
CD11c	CD49b	Ki-67	Vimentin
CD206	CD8	Ly6G	
CD3ε	dsDNA	Na/K ATPase	
CD31	F4/80	PAX5	
CD4	FoxP3	α-SMA	

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Mouse Cell Classification and Phenotyping

CELL TYPE	PHENOTYPE
Immune cells	CD45+
Proliferating immune cells	CD45+Ki-67+
T cells	CD3+CD49b–
Helper T lymphocytes	CD3+CD4+
Activated helper T lymphocytes	CD3+CD4+Ki-67+ or Granzyme B+
Cytotoxic T lymphocytes	CD3+CD8a+
Activated cytotoxic T lymphocytes	CD3+CD8a+Ki-67+ or Granzyme B+
Regulatory T cells	CD3+CD4+FoxP3+
B cells	PAX5+
Macrophages	F4/80+CD11c–
M1 macrophages	F4/80+CD11c–CD206–
M2-like macrophages	F4/80+CD11c–CD206+
Myeloid derived suppressor cells or MDSCs	CD11b+CD11c–F4/80–
Monocytic MDSC	CD11b+Ly6G–CD11c–F4/80–
Granulocytic MDSC, neutrophils	CD11b+Ly6G+CD11c–F4/80–
Dendritic cells	CD11c+
Lymphoid tissue-resident CD8a+ classical DCs	CD11c+CD8a+CD11b–
Lymphoid tissue-resident CD11b+ classical DCs	CD11c+CD11b+CD8a–
Natural killer cells	CD49b+CD3–
Activated NK cells	CD49b+CD3–Granzyme B+

REGION	PHENOTYPE
Fibroblasts	Vimentin+
Myofibroblasts/Smooth Muscle	Vimentin+SMA+
Blood vessels	CD31+

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