

Antibodies

Antibodies

- [CD3e HS-413 108](#)
- [CD19 HS-439 003](#)
- [F4/80 HS-397 008](#)
- [Rag2/IL2rg](#)
- [Rag2/IL2rg](#)

Antibodies - Rag2/IL2rg

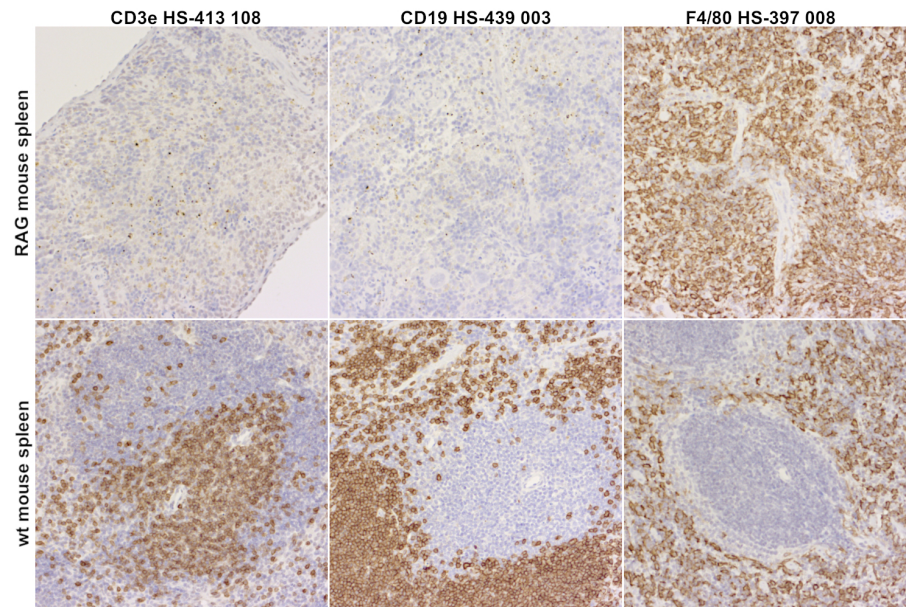
Antibodies against Rag2/IL2rg (Yue et al., 2014) and Rag2/IL2rg (Walsh et al., 2017) are available for the analysis of B cell development in Rag2/IL2rg-deficient mice (Mestas et al., 2004).

Antibodies - Rag2/IL2rg

Antibodies against Rag2/IL2rg (Panaampon et al., 2021) are available for the analysis of B cell development in Rag2/IL2rg-deficient mice (Nude-J) and Rag2/IL2rg-deficient mice (Scid).

Antibodies against Rag2/IL2rg (Belizario, 2009) are available for the analysis of B cell development in Rag2/IL2rg-deficient mice (NOD-Scid IL2rg^{-/-} and NOD/Scid IL2rg^{-/-}).

Antibodies against Rag2/IL2rg (Mombaerts et al., 1992; Shinkai et al., 1992) are available for the analysis of B cell development in Rag2/IL2rg-deficient mice.



1 Rag2/IL2rg-deficient mice (RAG mouse spleen) and wild-type mice (wt mouse spleen) were stained with antibodies against CD3e (HS-413 108, 1:100), CD19 (HS-439 003, 1:100), and F4/80 (HS-397 008, 1:100). The Rag2/IL2rg-deficient spleen shows a significant reduction in CD3e and CD19 staining compared to the wt spleen, while F4/80 staining remains high.

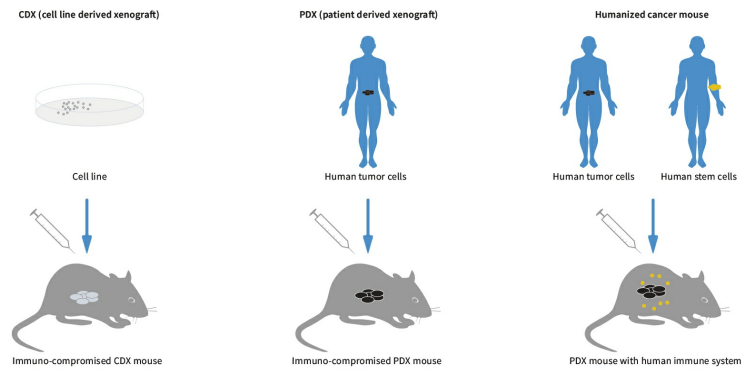
Antibodies

CDX (cell line derived xenograft) Scid (Pan et al., 2022)

PDX (patient derived xenograft) NSG (Olson et al., 2018) (Koga et al., 2019) PDX (Choi et al., 2018)

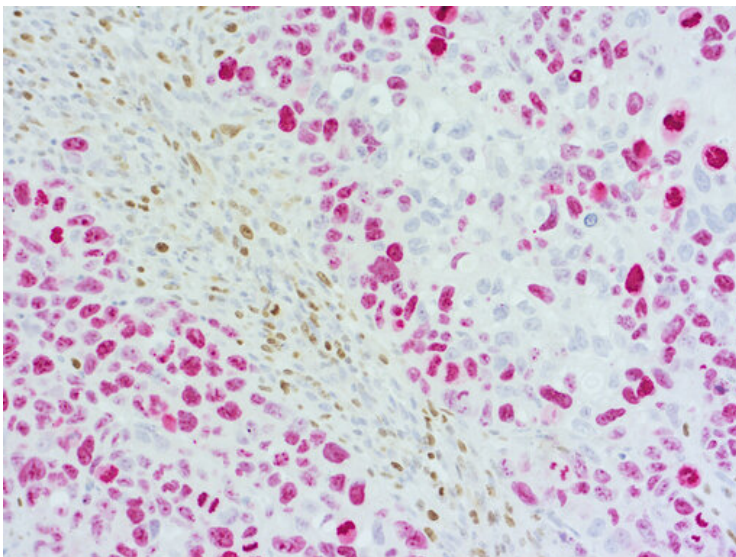
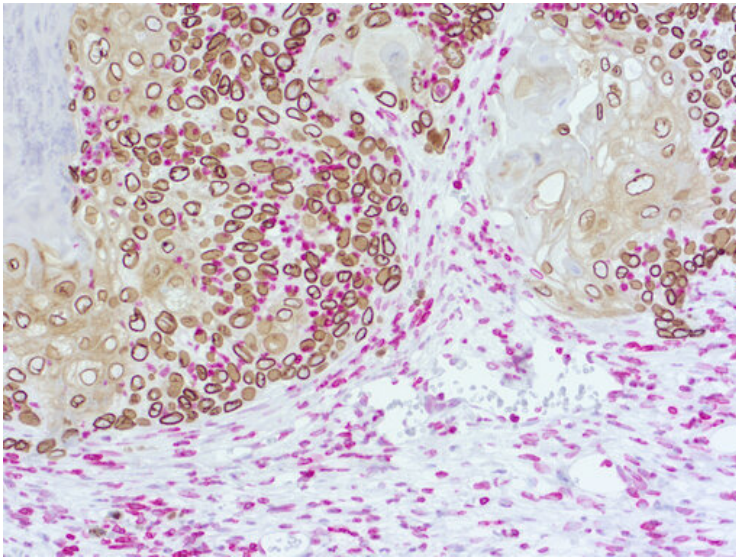
(Tian et al., 2020) PBMCs CD34+ (Olson et al., 2018) PDX

Schematic Illustration of CDX, PDX and Humanized Mice for Human Cancer Research



HistoSure
A SySy brand

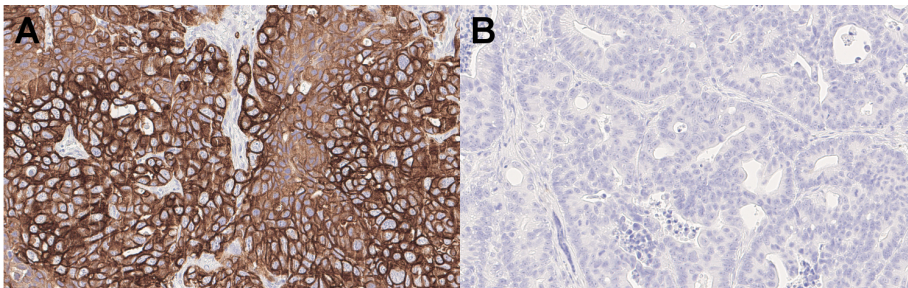
CDX PDX HistoSure Lamin B1 (reviewed in Evangelisti et al., 2021) Lamin B1 3A Ki67 3B



3a Lamin B1 (cat.no. [HS-404 017](#); DAB, AP-RED) Lamin B1 (cat.no. [HS-404 003](#); AP-RED)

3b Ki67 (cat.no. [HS-398 003](#); AP-RED) Ki67 (cat.no. [HS-398 117](#); DAB)

4 CK7 (CK7) HistoSure-CK7



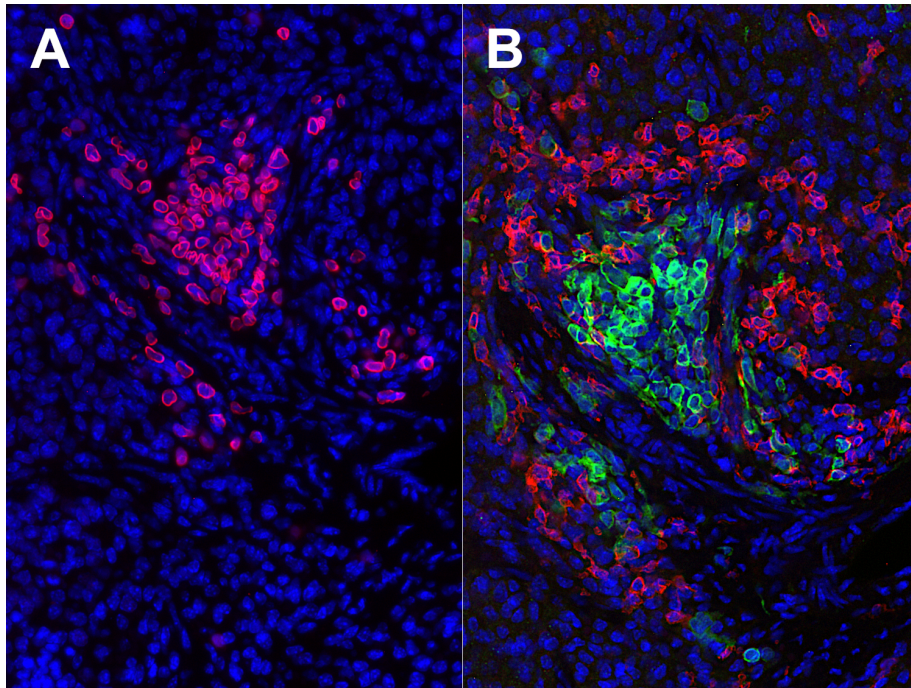
4 CK7 (cat. no. [HS-454 017](#), 1:100, DAB) CK7-CK7

SYSY

Immune cells (HSCs) (Hess et al., 2020; Curran et al., 2019) (Mian et al., 2021) PBMCs
 T B NSG
 B T HSC (reviewed in Curran et al., 2019)

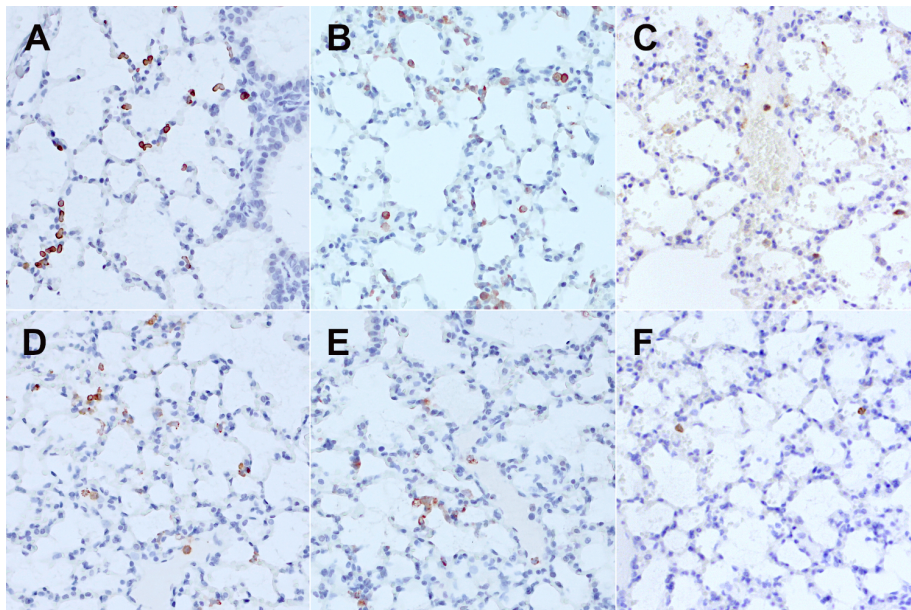
HistoSure

CD45 C 5



5 A Lamin B1 (HS-404 017, 1:100,) B CD45 (HS-427 003, 1:500,) CD45 (HS-427 017, 1:100,) DAPI

6 CD11b+ CD68+ CD3e+ T



6 A Lamin B1 (HS-404 017, 1:100) B CD45 (HS-427 003, 1:1000) C CD45 (HS-427 017, 1:100) D CD11b (HS-384 017, 1:100) E CD68 (HS-460 017, 1:100) F CD3e (HS-413 017, 1:750)

HS-384 017	CD11b, rat, IgG <i>human specific</i>	WB IHC-P (FFPE)	200 µl	US\$420.00
HS-384 117	CD11b, rat, IgG <i>mouse specific</i>	WB IHC IHC-P (FFPE) IHC-Fr	200 µl	US\$420.00
HS-439 003	CD19, rabbit, affinity <i>mouse specific</i>	WB ICC IHC IHC-P (FFPE)	200 µl	US\$375.00
HS-413 108	CD3e, rabbit, recombinant IgG <i>mouse specific</i>	IHC IHC-P (FFPE)	100 µl	US\$420.00
HS-427 003	CD45, rabbit, affinity <i>human specific</i>	WB ICC IHC-P (FFPE)	50 µg	US\$375.00
HS-427 017	CD45, rat, IgG <i>mouse specific</i>	IHC IHC-P (FFPE) IHC-Fr	200 µl	US\$420.00
HS-460 017	CD68, rat, IgG <i>human specific</i>	WB ICC IHC IHC-P (FFPE)	200 µl	US\$420.00
HS-397 008	F4/80, rabbit, recombinant IgG	WB IHC IHC-P (FFPE)	100 µl	US\$420.00
HS-398 003	Ki67, rabbit, affinity <i>human specific</i>	IHC-P (FFPE)	200 µl	US\$455.00
HS-398 117	Ki67, rat, IgG <i>mouse specific</i>	ICC IHC IHC-P (FFPE)	200 µl	US\$420.00
HS-404 003	Lamin B1, rabbit, affinity <i>mouse specific</i>	WB ICC IHC IHC-P (FFPE)	200 µl	US\$375.00

Result count: **11**



Yue et al., 2014: A comparative encyclopedia of DNA elements in the mouse genome. [PMID: 25409824](#)

Mestas et al., 2004. Of mice and not men: differences between mouse and human immunology. [PMID: 14978070](#)

Walsh et al., 2017: Humanized mouse models of clinical disease. [PMID: 27959627](#)

Panaampon et al., 2021. Establishment of Nude Mice Lacking NK Cells and Their Application for Human Tumor Xenografts. [PMID: 33906298](#)

Vladutiu 1993. The severe combined immunodeficient (SCID) mouse as a model for the study of autoimmune diseases. [PMID: 8324894](#)

Belizário 2009. Immunodeficient mouse models: An Overview. DOI: 10.2174/1874226200902010079

Mombaerts et al., 1992. RAG-1-deficient mice have no mature B and T lymphocytes. [PMID: 1547488](#)

Shinkai et al., 1992. RAG-2-deficient mice lack mature lymphocytes owing to inability to initiate V(D)J rearrangement. [PMID: 1547487](#)

Pan et al., 2022. Patient-derived xenograft models in hepatopancreatobiliary cancer. [PMID: 35090441](#)

Choi et al., 2018. Studying cancer immunotherapy using patient-derived xenografts (PDXs) in humanized mice.

Olson et al., 2018. Mouse Models for Cancer Immunotherapy Research. [PMID: 30309862](#)

Koga et al., 2019. Systematic Review of Patient-Derived Xenograft Models for Preclinical Studies of Anti-Cancer Drugs in Solid Tumors. [PMID: 31064068](#)

Tian et al., 2020. Humanized Rodent Models for Cancer Research. [PMID: 33042811](#)

Evangelisti et al., 2021. The wide and growing range of lamin B related diseases: from laminopathies to cancer. [PMID: 35132494](#)

Hess et al., 2020. Different Human Immune Lineage Compositions Are Generated in Non-Conditioned NBSGW Mice Depending on HSPC Source. [PMID: 33193358](#)

Mian et al., 2021. Advances in Human Immune System Mouse Models for Studying Human Hematopoiesis and Cancer Immunotherapy. [PMID: 33603749](#)

Shan et al., 2020. Hepatic Macrophages in Liver Injury. [PMID: 32362892](#)