

Code No. 015-28991 (100 μ g)**Anti CD44s, Monoclonal
Antibody (C44Mab-46)****抗 CD44s, モノクローナル抗体
(C44Mab-46)**

CD44 is a transmembrane glycoprotein that is expressed in many cell types, including endothelial cells, epithelial cells, and fibroblasts.

Human CD44 gene is comprised of nineteen exons and is alternatively spliced into two forms : CD44 standard isoform (CD44s), that is the smallest form of CD44 and consists of the first five and the last five exons, and CD44 variant isoform (CD44v, pan-CD44), that is consists of a combination of these ten exons and nine variant exons.

CD44s and CD44v are both widely used as cancer stem cell (CSC) markers. They participate in the dynamics control of cancer cells through interactions with the ligand hyaluronic acid (HA). They are reported to play a role in tumor growth, metastasis, and activation of intracellular signaling pathways.

【Description】

[Reactivity]	React with human CD44s.
[Species cross reactivity]	Human
[Clone No.]	C44Mab-46
[Host]	Mouse
[Subclass]	IgG1 $\cdot\kappa$
[Concentration]	Indicated on the label.
[Formulation]	PBS (pH 7.4) containing sodium azide.

【Application】

Western Blotting	1 μ g/mL
Flow Cytometry	
Immunohistochemistry	5 μ g/mL

* Please optimize the most appropriate concentration for your analysis conditions and samples.

【Storage】

Store at -20°C.
Avoid repeated freeze and thaw.

【Package】

100 μ g

【Reference】

- 1) Goto, N. *et al.* : *Int. J. Mol. Sci.*, **23** (10), 5535 (2022).
- 2) Asano, T. *et al.* : *Monoclon. Antib. Immunodiagn. Immunother.*, **40** (4), 156 (2019).
- 3) Takei, J. *et al.* : *Monoclon. Antib. Immunodiagn. Immunother.*, **40** (5), 219 (2021).

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