

- Boucheix, C., Rubinstein, E., 2001. Tetraspanins. *Cell. Mol. Life Sci.* 58, 1189–1205.
- Cartwright, P., McLean, C., Sheppard, A., Rivett, D., Jones, K., Dalton, S., 2005. LIF/STAT3 controls ES cell self-renewal and pluripotency by a Myc-dependent mechanism. *Development* 132, 885–896.
- Chen, M.S., Tung, K.S., Coonrod, S.A., Takahashi, Y., Bigler, D., Chang, A., Yamashita, Y., Kincade, P.W., Herr, J.C., White, J.M., 1999. Role of the integrin-associated protein CD9 in binding between sperm ADAM 2 and the egg integrin alpha6beta1: implications for murine fertilization. *Proc. Natl. Acad. Sci. USA* 96, 11830–11835.
- Eisen, M.B., Spellman, P.T., Brown, P.O., Botstein, D., 1998. Cluster analysis and display of genome-wide expression patterns. *Proc. Natl. Acad. Sci. USA* 95, 14863–14868.
- Feigelson, S.W., Grabovsky, V., Shamri, R., Levy, S., Alon, R., 2003. The CD81 tetraspanin facilitates instantaneous leukocyte VLA-4 adhesion strengthening to vascular cell adhesion molecule 1 (VCAM-1) under shear flow. *J. Biol. Chem.* 278, 51203–51212.
- Forsyth, K.D., 1991. Anti-CD9 antibodies augment neutrophil adherence to endothelium. *Immunology* 72, 292–296.
- Gutierrez-Lopez, M.D., Ovalle, S., Yanez-Mo, M., Sanchez-Sanchez, N., Rubinstein, E., Olmo, N., Lizarbe, M.A., Sanchez-Madrid, F., Cabanas, C., 2003. A functionally relevant conformational epitope on the CD9 tetraspanin depends on the association with activated beta1 integrin. *J. Biol. Chem.* 278, 208–218.
- Hadjiargyrou, M., Patterson, P.H., 1995. An anti-CD9 monoclonal antibody promotes adhesion and induces proliferation of Schwann cells in vitro. *J. Neurosci.* 15, 574–583.
- Hemler, M.E., 2001. Specific tetraspanin functions. *J. Cell Biol.* 155, 1103–1107.
- Higashiyama, M., Taki, T., Ieki, Y., Adachi, M., Huang, C.L., Koh, T., Kodama, K., Doi, O., Miyake, M., 1995. Reduced motility related protein-1 (MRP-1/CD9) gene expression as a factor of poor prognosis in non-small cell lung cancer. *Cancer Res.* 55, 6040–6044.
- Ikawa, M., Yamada, S., Nakanishi, T., Okabe, M., 1999. Green fluorescent protein (GFP) as a vital marker in mammals. *Curr. Top. Dev. Biol.* 44, 1–20.
- Jennings, L.K., Fox, C.F., Kouns, W.C., McKay, C.P., Ballou, L.R., Schultz, H.E., 1990. The activation of human platelets mediated by anti-human platelet p24/CD9 monoclonal antibodies. *J. Biol. Chem.* 265, 3815–3822.
- Kaji, K., Oda, S., Shikano, T., Ohnuki, T., Uematsu, Y., Sakagami, J., Tada, N., Miyazaki, S., Kudo, A., 2000. The gamete fusion process is defective in eggs of Cd9-deficient mice. *Nat. Genet.* 24, 279–282.
- Kaji, K., Takeshita, S., Miyake, K., Takai, T., Kudo, A., 2001. Functional association of CD9 with the Fc gamma receptors in macrophages. *J. Immunol.* 166, 3256–3265.
- Kanatsu-Shinohara, M., Toyokuni, S., Shinohara, T., 2004. CD9 is a surface marker on mouse and rat male germline stem cells. *Biol. Reprod.* 70, 70–75.
- Kaprielian, Z., Cho, K.O., Hadjiargyrou, M., Patterson, P.H., 1995. CD9, a major platelet cell surface glycoprotein, is a ROCA antigen and is expressed in the nervous system. *J. Neurosci.* 15, 562–573.
- Lagaudriere-Gesbert, C., Le Naour, F., Lebel-Binay, S., Billard, M., Lemichez, E., Boquet, P., Boucheix, C., Conjeaud, H., Rubinstein, E., 1997. Functional analysis of four tetraspanins, CD9, CD53, CD81, and CD82, suggests a common role in co-stimulation, cell adhesion, and migration: only CD9 upregulates HB-EGF activity. *Cell. Immunol.* 182, 105–112.
- Le Naour, F., Rubinstein, E., Jasmin, C., Prenant, M., Boucheix, C., 2000. Severely reduced female fertility in CD9-deficient mice. *Science* 287, 319–321.
- Liu, W.M., Cao, Y.J., Yang, Y.J., Li, J., Hu, Z., Duan, E.K., 2006. Tetraspanin CD9 regulates invasion during mouse embryo implantation. *J. Mol. Endocrinol.* 36, 121–130.
- Miller, B.J., Georges-Labouesse, E., Primakoff, P., Myles, D.G., 2000. Normal fertilization occurs with eggs lacking the integrin alpha6beta1 and is CD9-dependent. *J. Cell Biol.* 149, 1289–1296.
- Miyado, K., Yamada, G., Yamada, S., Hasuwa, H., Nakamura, Y., Ryu, F., Suzuki, K., Kosai, K., Inoue, K., Ogura, A., Okabe, M., Mekada, E., 2000. Requirement of CD9 on the egg plasma membrane for fertilization. *Science* 287, 321–324.
- Miyado, K., Yoshida, K., Yamagata, K., Sakakibara, K., Okabe, M., Wang, X., Miyamoto, K., Akutsu, H., Kondo, T., Takahashi, Y., Ban, T., Ito, C., Toshimori, K., Nakamura, A., Ito, M., Miyado, M., Mekada, E., Umezawa, A., 2008. The fusing ability of sperm is bestowed by CD9-containing vesicles released from eggs in mice. *Proc. Natl. Acad. Sci. USA* 105, 12921–12926.
- Miyake, M., Nakano, K., Ieki, Y., Adachi, M., Huang, C.L., Itoi, S., Koh, T., Taki, T., 1995. Motility related protein 1 (MRP-1/CD9) expression: inverse correlation with metastases in breast cancer. *Cancer Res.* 55, 4127–4131.
- Miyake, M., Nakano, K., Itoi, S.I., Koh, T., Taki, T., 1996. Motility-related protein-1 (MRP-1/CD9) reduction as a factor of poor prognosis in breast cancer. *Cancer Res.* 56, 1244–1249.
- Mori, M., Mimori, K., Shiraishi, T., Haraguchi, M., Ueo, H., Barnard, G.F., Akiyoshi, T., 1998. Motility related protein 1 (MRP1/CD9) expression in colon cancer. *Clin. Cancer Res.* 4, 1507–1510.
- Nash, R., Neves, L., Faast, R., Pierce, M., Dalton, S., 2007. The lectin *Dolichos biflorus* agglutinin recognizes glycan epitopes on the surface of murine embryonic stem cells: a new tool for characterizing pluripotent cells and early differentiation. *Stem Cells* 25, 974–982.
- Oka, M., Tagoku, K., Russell, T.L., Nakano, Y., Hamazaki, T., Meyer, E.M., Yokota, T., Terada, N., 2002. CD9 is associated with leukemia inhibitory factor-mediated maintenance of embryonic stem cells. *Mol. Biol. Cell* 13, 1274–1281.
- Pelton, T.A., Sharma, S., Schulz, T.C., Rathjen, J., Rathjen, P.D., 2002. Transient pluripotent cell populations during primitive ectoderm formation: correlation of in vivo and in vitro pluripotent cell development. *J. Cell Sci.* 115, 329–339.
- Rathjen, J., Lake, J.A., Bettess, M.D., Washington, J.M., Chapman, G., Rathjen, P.D., 1999. Formation of a primitive ectoderm-like cell population, EPL cells, from ES cells in response to biologically derived factors. *J. Cell Sci.* 112 (Pt. 5), 601–612.
- Saito, Y., Tachibana, I., Takeda, Y., Yamane, H., He, P., Suzuki, M., Minami, S., Kijima, T., Yoshida, M., Kumagai, T., Osaki, T., Kawase, I., 2006. Absence of CD9 enhances adhesion-dependent morphologic differentiation, survival, and matrix metalloproteinase-2 production in small cell lung cancer cells. *Cancer Res.* 66, 9557–9565.
- Smith, A.G., Heath, J.K., Donaldson, D.D., Wong, G.G., Moreau, J., Stahl, M., Rogers, D., 1988. Inhibition of pluripotential embryonic stem cell differentiation by purified polypeptides. *Nature* 336, 688–690.
- Williams, R.L., Hilton, D.J., Pease, S., Willson, T.A., Stewart, C.L., Gearing, D.P., Wagner, E.F., Metcalf, D., Nicola, N.A., Gough, N.M., 1988. Myeloid leukaemia inhibitory factor maintains the developmental potential of embryonic stem cells. *Nature* 336, 684–687.

