



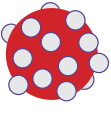
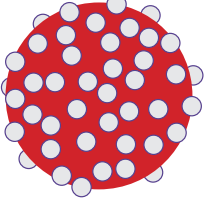
Product Catalog 2015



pluriBead[®] Particles

pluriBead[®] - bead sizes

pluriBead[®] catcher particles are available in two different sizes. To find the appropriate particle size, please consider the following data.

Specification	S-pluriBead [®]	M-pluriBead [®]
Illustration		
Size	30 µm	60 µm
Maximum target cells per separation	10 ⁷	5x10 ⁷
Recommended application	small number of targets in large sample volume and circulating tumor cells (CTC)	large number of targets in a sample (e. g. buffy coat)
Sample material	whole blood, tissue, PBMC, cell culture	buffy coat, whole blood, tissue, PBMC, cell culture
Minimum sample volume	200 µl	500 µl

Further Information:

The surface of the beads is modified with antibodies that recognize specific structures on the cell surface. The beads are larger than the cells and enlarge these artificially. This enlargement allows for an easy separation of bead-bound targets through sieves via different separation strategies. Moreover, the particle size prevents uptake by endocytosis.

Target cells can be gently detached from the catcher particles with pluriSelect's detachment buffer.

Pretreatment of the sample, such as the production of a mononuclear cell fraction (PBMC - peripheral blood mononuclear cells) by a density gradient / density centrifugation, depletion of erythrocytes (e.g. erythrolisis) or target concentration is not required.

pluriBead[®] Suspension Human

Target cells		S-pluriBead [®]	M-pluriBead [®]
anti-human		2 ml S-pluriBead [®] suspension for 5 ⁸ target cells	2 ml M-pluriBead [®] suspension for 10 ⁸ target cells. Recommended for buffy coat or cell culture.
CD2	T cells, NK cell subset	19-00200-10	19-00200-20
CD3	T cells, thymocytes	19-00300-10	19-00300-20
CD4	Helper T cells	19-00400-10	19-00400-20
CD5	T cells, B cells subset	19-00500-10	19-00500-20
CD7	T cells, NK cells, pre-B cells	19-00700-10	19-00700-20
CD8	Cytotoxic T cells,	19-00800-10	19-00800-20
CD9	Platelets, granulocytes	19-00900-10	19-00900-20
CD11a	Leukocytes	19-011a0-10	19-011a0-20
CD11b	Granulocytes, monocytes	19-011b0-10	19-011b0-20
CD14	Monocytes	19-01400-10	19-01400-20
CD15	Granulocytes	19-01500-10	19-01500-20
CD16	Neutrophils, granulocytes	19-01600-10	19-01600-20
CD19	B cells	19-01900-10	19-01900-20
CD21	B cells, T cell subset	19-02100-10	19-02100-20
CD31	Platelets, endothelial cells	19-03100-10	19-03100-20
CD43	T cells, NK cells, granulocytes	19-04300-10	19-04300-20
CD44	Most tissue cells,	19-04400-10	19-04400-20
CD45	Leukocytes	19-04500-10	19-04500-20
CD55	Hematopoietic cells	19-05500-10	19-05500-20
CD95	Apoptotic cells	19-09500-10	19-09500-20
CD117 (c-kit)	Hematopoietic progenitor cells	19-11700-10	19-11700-20
CD138	Plasma cells	19-13800-10	19-13800-20
CD235a	Erythrocytes (RBC)	19-235a0-10	19-235a0-20
CD271	Schwann cells, mesenchymal stem/stromal cells	19-27100-10	19-27100-20
CD326 (EpCam)	Epithelial Cells, circulating tumor cells	19-32600-10	19-32600-20

pluriBead® Suspension Veterinary

Target cells		S-pluriBead®	M-pluriBead®
anti-mouse		2 ml S-pluriBead® suspension for 5 ⁸ target cells.	2 ml M-pluriBead® suspension for 10 ⁸ target cells. Recommended for buffy coat or cell culture.
CD4	Helper T cells	29-00400-10	29-00400-20
CD8	Cytotoxic T cells	29-00800-10	29-00800-20
CD11b	Monocytes, macrophages, NK cells, granulocytes	29-011b0-10	29-011b0-20
CD11c	Dendritic cells, activated T cells	29-011c0-10	29-011c0-20
CD14	Monocytes	29-01400-10	29-01400-20
CD19	B cells	29-01900-10	29-01900-20
CD31	Platelets, endothelial cells	29-03100-10	29-03100-20
CD45	Leukocytes	29-04500-10	29-04500-20
F4/80	Macrophages	29-F4800-10	29-F4800-20
Ly6G	Granulocytes	29-Ly6G0-10	29-LY6G0-20
anti-rat			
CD4	Helper T cells	22-00400-10	22-00400-20
CD8b	Cytotoxic T cells	22-008b0-10	22-008b0-20
CD11b	Granulocytes, macrophages	22-011b0-10	22-011b0-20
CD45	Leukocytes	22-04500-10	22-04500-20
RAT-TCR α/β	T cells	22-TCRAB-10	22-TCRAB-20

pluriBead® Suspension Veterinary

Target cells		S-pluriBead®	M-pluriBead®
anti-porcine (pig)		2 ml S-pluriBead® suspension for 5 ⁸ target cells.	2 ml M-pluriBead® suspension for 10 ⁸ target cells. Recommended for buffy coat or cell culture.
CD11b	Granulocytes, macrophages	23-011b0-10	23-011b0-20
CD14	Monocytes	23-01400-10	23-01400-20
CD21	B cells	23-02100-10	23-02100-20
CD29	T cells, platelets endothelial cells	23-02900-10	23-02900-20
CD44	Most tissue cells, B cells. monocytes, macrophages	23-04400-10	23-04400-20
CD47	Leukocytes, platelets, erythrocytes	23-04700-10	23-04700-20
CD62L	B cells, T cells, monocytes, granulocytes	23-062L0-10	23-062L0-20
CD90	NK cells thymocytes	23-09000-10	23-09000-20
RBC	Erythrocytes, red blood cells	23-RBC00-10	23-RBC00-20
HLA-DR+DP	APC (antigen-presenting cells)	23-HLARP-10	23-HLARP-20
anti-ovine (sheep)			
CD29	T cells, platelets, endothelial cells	24-02900-10	24-02900-20
CD41	Platelets, megakaryocytes	24-04100-10	24-04100-20
CD44	Most tissue cells, B cells, monocytes, macrophages	24-04400-10	24-04400-20
CD45	Leukocytes, hematopoietic stem cells	24-04500-10	24-04500-20
CD47	Leukocytes, platelets, erythrocytes	24-04700-10	24-04700-20
CD271	Schwann Cells, Mesenchymal Cells	24-27100-10	24-27100-20
HLA-DR+DP	APC (antigen-presenting cells)	24-HLARP-10	24-HLARP-20

pluriBead® Suspension Veterinary

Target cells		S-pluriBead®	M-pluriBead®
anti-bovine (cow)		2 ml S-pluriBead® suspension for 5 ⁸ target cells	2 ml M-pluriBead® suspension for 10 ⁸ target cells. Recommended for buffy coat or cell culture.
CD9	Platelets	25-00900-10	25-00900-20
CD14	Monocytes	25-01400-10	25-01400-20
CD21	B cells	25-02100-10	25-02100-20
CD45R	Leukocytes	25-045R0-10	25-045R0-20
CD47	Endotelial cells, epithelial cells	25-04700-10	25-04700-20
CD62L	B cells, T cells, monocytes, granulocytes	25-062L0-10	25-062L0-20
CD117 (c-kit)	Hematopoietic progenitor cells	25-11700-10	25-11700-20
HLA-DR+DP	APC (antigen-presenting cells)	25-HLARP-10	25-HLARP-20
anti-canine (dog)			
CD4	Helper T cells	27-00400-10	27-00400-20
CD29	T cells, platelets, endothelial cells	27-02900-10	27-02900-20
anti-equine (horse)			
CD11a	Leukocytes	32-011a0-10	32-011a0-20
CD41	Platelets, Megakaryocytes	32-04100-10	32-04100-20

pluriBead® Suspension Universal

Anti [species] labelled pluriBead® for use with external antibodies, followed by a standard pluriBead® cell separation protocol

Product	Description	S-pluriBead®	M-pluriBead®
		2 ml S-pluriBead® suspension for 5 ⁸ target cells	2 ml M-pluriBead® suspension for 10 ⁸ target cells. Recommended for buffy coat or cell culture.
anti-mouse*	labeled pluriBead®	31-GTaMS-10	31-GTaMS-20
anti-rat*	labeled pluriBead®	31-GTaRT-10	31-GTaRT-20
anti-rabbit*	labeled pluriBead®	31-GTaRB-10	31-GTaRB-20
anti-hamster*	labeled pluriBead®	31-GTaHS-10	31-GTaHS-20
anti-goat*	labeled pluriBead®	31-RBaGT-10	31-RBaGT-20

*polyclonal antibodies produced from the serum of host animal: goat (goat antibodies produced from rabbit)