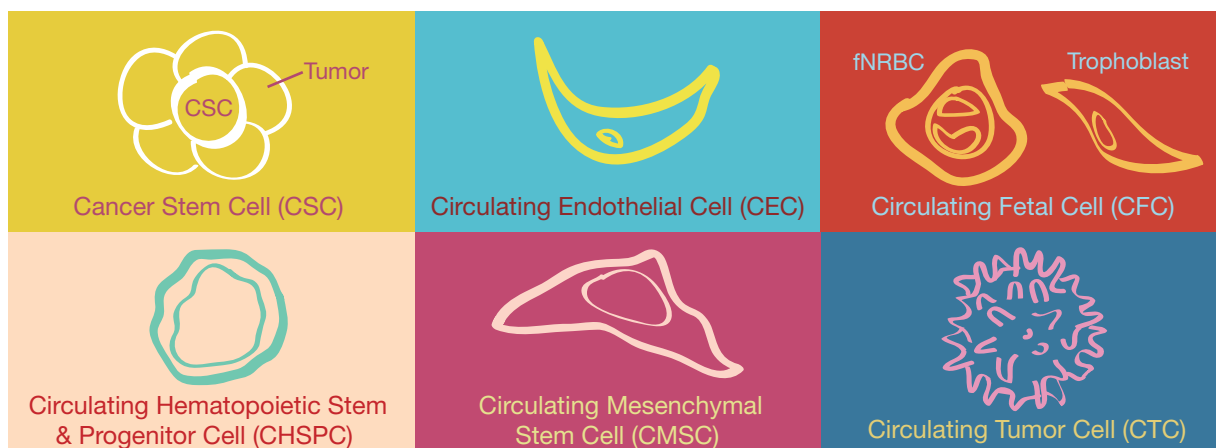


Circulating Rare Cell (CRC) Antibodies



Abnova provides 200+ primary and conjugate antibodies that can recognize important surface and intracellular target proteins of six major subtypes of CRCs. These antibodies can be applied to a broad range of diseases and their circulating cells. Rapid advances in CRC research are pushing their utility to the in vitro diagnostic (IVD) arena, specifically in non-invasive diagnoses, companion diagnostics, and therapeutic monitoring. Abnova also provides CytoQuest™ and CytoBot™ integrated systems to facilitate CRC research and clinical applications.

CRC Subtypes

CRCs	Antibody (Ab) Categories
CSC	Primary Ab, Conjugate Ab
CEC	Primary Ab, Conjugate Ab
CFC	fNRBC Ab, Trophoblast Ab
CHSPC	Primary Ab
CMSC	Primary Ab, Conjugate Ab
CTC	Basic Panel Ab, Biomarker Ab, Epithelial-Mesenchymal Transition Ab

Clinical Research

Research Fields	CRCs
Epithelial Tumors & Metastasis	CSC, CEC, CHPSC, CTC
Leukemia & Lymphoma	CSC, CHPSC, CTC
Autoimmune Diseases	CEC, CMSC
Cardiovascular Diseases	CEC, CMSC
Neurodegenerative Diseases	CEC, CMSC
Prenatal Trophoblast, fNRBC, Mesenchymal Stem Cell	CFC, CMSC

Antibody Applications

Ab Categories	Applications
Monoclonal Ab	IF, IHC, FC, IP, WB
Polyclonal Ab	IF, IHC, FC, IP, WB
Primary Conjugate Ab	IF, IHC, FC, WB
Secondary Conjugate Ab	Bovine, Cat, Dog, Guinea Pig, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat, Sheep

Publications

New Generation of Ensemble-Decision Aliquot Ranking Based on Simplified Microfluidic Components for Large-Capacity Trapping of Circulating Tumor Cells. Zhao M, Nelson WC, Wei B, Schiro PG, Hakimi BM, Johnson ES, Anand RK, Gyurkey GS, White LM, Whiting SH, Coveler AL and Chiu DT. Anal Chem. 2013 Oct 15;85(20):9671-7.

Abnova product used: EPCAM monoclonal antibody

Phenotypic diversity of the CD45 antigen and its relationship to function. Beverley PC, Merckenschlager M and Terry L. Immunol Suppl. 1988;1:3-5.

Abnova product used: PTPRC monoclonal antibody

Concurrent CD44s and STAT3 expression in human clear cell renal cellular carcinoma and its impact on survival. Qin J, Yang B, Xu BQ, Smithc A, Xu L, Yuan JL and Li L. Int J Clin Exp Pathol. 2014 May 15;7(6):3235-44.

Abnova product used: CD44 monoclonal antibody

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