



## LEUKEMIA CELL LINES

ATCC® No.	Name	Tissue	Cell Type	Disease	Organism	Age	Ethnicity	Genes Expressed
CRL-8993™	8E5 [derivative of CEM]	peripheral blood	lymphoblast	acute lymphoblastic leukemia	Homo sapiens	4 years	Caucasian	most human immunodeficiency virus (HIV, HTLV III, LAV) structural proteins, CD4 +; CD5 +
CCL-119™	CCRF-CEM [CCRF CEM]	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	4 years juvenile	Caucasian	CD3; Homo sapiens, expressed, CD5; Homo sapiens, expressed, CD7; Homo sapiens, expressed, CD4; Homo sapiens, expressed
CCL-120.1™	CCRF-HSB-2 [CCRF HSB-2, HSB-2]	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	11.5 years	Caucasian	HLA A1, A2, B12, B17, Cw2; CD5 (78%), CD7 (96%)
CRL-1552™	MOLT-3	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	19 years		terminal deoxynucleotidyl transferase (TdT) activity is high, CD1 (65%), CD4 (66%), CD5 (97%), CD7 (97%)
CRL-2264™	CEM/C2	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	4 years	Caucasian	
CRL-2265™	CEM/C1	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	4 years	Caucasian	
PTS-CCL-119™	CCRF-CEM [CCRF CEM]	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	4 years juvenile	Caucasian	CD3; Homo sapiens, expressed, CD5; Homo sapiens, expressed, CD4; Homo sapiens, expressed, CD7; Homo sapiens, expressed
CRM-CCL-119™	CCRF-CEM [CCRF CEM]	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	4 years juvenile	Caucasian	CD3; Homo sapiens, expressed, CD5; Homo sapiens, expressed, CD7; Homo sapiens, expressed, CD4; Homo sapiens, expressed
CRM-CCL-119D™	CCRF-CEM [CCRF CEM]	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	4 years juvenile	Caucasian	CD3; Homo sapiens, expressed, CD5; Homo sapiens, expressed, CD7; Homo sapiens, expressed, CD4; Homo sapiens, expressed
CRL-11386™	TALL-104	Peripheral blood, Blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	2 years		interferon gamma (IFN gamma); tumor necrosis factor alpha (TNF alpha); granulocyte monocyte colony stimulating factor (GM-CSF), CD2 +; CD3 +; CD7 +; CD8 +; CD56 +; CD4 -; CD16 -, The cells are positive for the alpha/beta TCR and negative for gamma/delta TCR.
CCL-120™	CCRF-SB [CCRF SB]	peripheral blood	B lymphoblast	acute lymphoblastic leukemia	Homo sapiens	11.5 years	Caucasian	HLA A1, A2, B12, B17, Cw2
TIB-195™	CEM-CM3	peripheral blood	T lymphoblast	acute lymphoblastic leukemia	Homo sapiens	4 years	Caucasian	
CRL-9589™	AML-193	peripheral blood	monocyte	acute monocytic leukemia	Homo sapiens	13 years		CD15, human; Homo sapiens, expressed (75 to 95% of the cells)

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TIB-202™	THP-1	peripheral blood	monocyte	acute monocytic leukemia	Homo sapiens	1 year infant		lysozyme, HLA A2, A9, B5, DRw1, DRw2
CRL-2725™	Kasumi-3	peripheral blood	lymphoblast	acute myeloblastic leukemia	Homo sapiens	57 years adult	Japanese	
CRL-2724™	Kasumi-1	peripheral blood	myeloblast	acute myeloblastic leukemia	Homo sapiens	7 yrs juvenile	Japanese	
CRL-2740™	BDCM	peripheral blood	B lymphoblast	acute myelogenous leukemia (AML)	Homo sapiens	unknown	unknown	CD20; Homo sapiens, expressed, CD19; Homo sapiens, expressed, CD40; Homo sapiens, expressed, CD80; Homo sapiens, expressed, CD83; Homo sapiens, expressed, CD86; Homo sapiens, expressed, HLA-DR; Homo sapiens, expressed, CD1a; Homo sapiens, CD11c; Homo sapiens
CRL-2775™	Kasumi-6	peripheral blood	myeloblast	acute myeloid leukemia, subtype M2	Homo sapiens	64 years adult	Japanese	Myeloperoxidase, negative C/EBP-alpha, hemizygous mutation protein positive
CCL-240™	HL-60	peripheral blood	promyeloblast	acute promyelocytic leukemia	Homo sapiens	36 years	Caucasian	tumor necrosis factor (TNF), also known as tumor necrosis factor alpha (TNF-alpha, TNF alpha), after stimulation with phorbol myristic acid, myc +
PTS-CCL-240™	HL-60	peripheral blood	promyeloblast	acute promyelocytic leukemia	Homo sapiens	36 years	Caucasian	tumor necrosis factor (TNF), also known as tumor necrosis factor alpha (TNF-alpha, TNF alpha), after stimulation with phorbol myristic acid, myc +
CRL-1964™	Clone 15 HL-60	peripheral blood		acute promyelocytic leukemia	Homo sapiens	36 years	Caucasian	eosinophil granule proteins: eosinophil major basic protein (MBP), eosinophil peroxidase (EPO), eosinophil cationic protein (ECP) and eosinophil derived neurotoxin (EDN)
CRL-2257™	HL-60/MX2	peripheral blood		acute promyelocytic leukemia	Homo sapiens	36 years	Caucasian	
CRL-2258™	HL-60/MX1	peripheral blood		acute promyelocytic leukemia	Homo sapiens	36 years	Caucasian	
CRL-1990™	J45.01	peripheral blood, Blood	T lymphocyte	acute T cell leukemia	Homo sapiens			produce interleukin 2 (IL-2) in response to calcium ionophores and phorbol esters, CD2 +; CD3 +; CD28 +; CD45 -
CRL-2063™	J.CaM1.6 (derivative mutant of Jurkat)	Peripheral blood, Blood	T lymphocyte	acute T cell leukemia	Homo sapiens			
TIB-152™	Jurkat, Clone E6-1	peripheral blood, Blood	T lymphocyte	acute T cell leukemia	Homo sapiens			interleukin-2 (interleukin 2, IL-2), CD3; Homo sapiens, expressed
TIB-153™	J.RT3-T3.5	peripheral blood, Blood	T lymphocyte	acute T cell leukemia	Homo sapiens			
PTS-TIB-152™	Jurkat, Clone E6-1	peripheral blood, Blood	T lymphocyte	acute T cell leukemia	Homo sapiens			interleukin-2 (interleukin 2, IL-2), CD3; Homo sapiens, expressed
CRL-5957™	NCI-BL1395 [BL1395]	peripheral blood	B lymphoblast	Adenocarcinoma	Homo sapiens	55 years	Caucasian	
CRL-5961™	NCI-BL2009 [BL2009]	peripheral blood	B lymphoblast	Adenocarcinoma	Homo sapiens	68 years	Caucasian	
CRL-5958™	NCI-BL1437 [BL1437]	peripheral blood	B lymphoblast	Adenocarcinoma	Homo sapiens	60 years	Caucasian	
CRL-5965™	NCI-BL2087 [BL2087]	peripheral blood	B lymphoblast	Adenocarcinoma	Homo sapiens	69 years	Caucasian	

ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-5967™	NCI-BL2122 [BL2122]	peripheral blood	B lymphoblast	Adenocarcinoma	Homo sapiens	46 years	Caucasian	
CRL-2381™	JAA-F11	Blood, Tissue	hybridoma: B lymphoblast	Adenocarcinoma	Mus musculus			immunoglobulin; monoclonal antibody; against the saccharide antigen, Gal beta1-3GalNAc (T antigen)
HB-11052™	31E9	Peripheral blood, Blood	hybridoma: T lymphocyte	Allergen	Homo sapiens			Japanese cedar pollen cryj-1 specific human glycosylation inhibiting factor (GIF)
CRL-2256™	RBL-2H3	peripheral blood		basophilic leukemia	Rattus norvegicus			histamine
CRL-9591™	MV-4-11	peripheral blood	Macrophage	biphenotypic B myelomonocytic leukemia	Homo sapiens	10 years		CD4; Homo sapiens, CD10; Homo sapiens, CD15, human; Homo sapiens, CD4 (40-96%); CD10 (4-11%); CD15 (96-99%)
CRL-2294™	BCP-1	peripheral blood	B lymphoblast	body cavity based lymphoma	Homo sapiens	92 years		
CRL-3003™	JVM-13	peripheral blood		B-prolymphocytic leukemia (B-PLL)	Homo sapiens	late 60's	Caucasian	CD3-, CD5-, CD10-, CD19+, CD20+, CD23+, FMC7+ (verified at ATCC)
CRL-2726™	Kasumi-4	peripheral blood		chronic myeloblastic leukemia	Homo sapiens	6 yrs	Japanese	
CRL-2099™	KU812	peripheral blood	basophil	chronic myelogenous leukemia	Homo sapiens	38 years adult	Japanese	CD3; Homo sapiens, alanyl (membrane) aminopeptidase (ANPEP, CD13); Homo sapiens
CRL-2101™	KU812F [KU-812-F]	peripheral blood	basophil	chronic myelogenous leukemia	Homo sapiens	38 years adult		
CRL-2100™	KU812E	peripheral blood		chronic myelogenous leukemia	Homo sapiens	38 years adult	Japanese	
CRL-2417™	MYA-1	peripheral blood	T lymphoblast	FIV	Felis catus	5 months		feline CD3 +; feline CD4 +; feline CD8 -
CCL-245™	Mo-B	peripheral blood	B lymphoblast	hairy cell leukemia	Homo sapiens	33 years	Caucasian	cells produce infectious HTLV II
CRL-2974™	MM.1S	peripheral blood	B lymphoblast	immunoglobulin A lambda myeloma	Homo sapiens	42 years	Black	lambda-light chain immunoglobulin, CD25+, CD38+, CD52+, CD59+
CRL-11967™	FeT-J	peripheral blood/ mononuclear cells (PBMC)	T lymphocyte	infection by feline immunodeficiency virus (FIV).	Felis catus			
CRL-11968™	FeT-1C	peripheral blood/ mononuclear cells (PBMC)	T lymphocyte	infection by feline immunodeficiency virus (FIV).	Felis catus			
HB-8784™	7G7B6	Peripheral blood, Blood, spleen	hybridoma: B lymphocyte	Influenza	Mus musculus			immunoglobulin; monoclonal antibody; against human interleukin 2 receptor (interleukin 2, IL-2); CD25
CRL-1567™	NALM-1	peripheral blood	lymphoblast	Leukemia	Homo sapiens	3 years		
CRL-1669™	CW13.20-3B3 (clone of BCL1)	peripheral blood	B lymphocyte	leukemia	Mus musculus			immunoglobulin, H-2d
TIB-68™	WEHI-3	peripheral blood		leukemia	Mus musculus			lysozyme; granulocyte colony stimulating activity (CSA); interleukin-3 (interleukin 3, IL-3)
CRL-1378™	RBL-1	peripheral blood		leukemia	Rattus norvegicus			

ATCC® No.	Name	Tissue	Cell Type	Disease	Oganism	Age	Ethnicity	Genes Expressed
CRL-2561™	RH/K34	peripheral blood	lymphocyteinfected with HTLV-I	Leukemia, Leukemia, Leukemia	Oryctolagus cuniculus			HTLV-I (human T cell leukemia virus), CD5 +/-; CD4 -; CD8 -; MHC class II +
CRL-2560™	RH/K30	peripheral blood	lymphocyteinfected with HTLV-I	Leukemia, Leukemia, Leukemia, Leukemia	Oryctolagus cuniculus	adult		HTLV-I (human T cell leukemia virus), CD5 +; CD4 -; CD8 -; MHC class II +/-
CRL-5963™	NCI-BL2052 [BL2052]	peripheral blood	B lymphoblast	Mesothelioma	Homo sapiens	65 years	Caucasian, White	
CRL-2975™	MM.1R	peripheral blood	B lymphoblast	multiple myeloma	Homo sapiens	42 years	Black	lambda-light chain immunoglobulin
TIB-196™	U266B1 [U266]	peripheral blood	B lymphocyte	myeloma; plasmacytoma	Homo sapiens	53 years adult		immunoglobulin; monoclonal antibody; interleukin 6 (interleukin-6, IL-6)
CRL-2627™	GDM-1	peripheral blood	monoblast	myelomonoblastic leukemia	Homo sapiens	66 - 67 years	White	lysozyme, myeloperoxidase, Ia +; myeloid leukemia antigen (M-1)
TIB-190™	CESS	peripheral blood, Blood	lymphoblast	myelomonocytic leukemia	Homo sapiens	adult	Caucasian	immunoglobulin; surface immunoglobulin (slg+); Epstein-Barr virus (EBV)
CRL-1621™	ARH-77	peripheral blood	B lymphoblast	plasma cell leukemia	Homo sapiens	33 years	Caucasian	immunoglobulin, CD11a +; CD19 +; CD20 +; CD28 +; CD38 -; CD49e +, The cells are positive for Epstein-Barr nuclear antigen(EBNA +) and Epstein-Barr viral capsid antigen (EBVCA +).
CCL-155™	RPMI 8226	peripheral blood	B lymphocyte	plasmacytoma; myeloma	Homo sapiens	61 years		immunoglobulin light chain, HLA Aw19, B15, B37, Cw2; CD19 -; CD20 -; CD28 +; CD38 +; CD49e +
CRL-8083™	MC/CAR	peripheral blood	B lymphocyte	plasmacytoma; myeloma	Homo sapiens	81 years	Caucasian	immunoglobulin, HLA A1, A33/31, B7, B18, DRw1, DRw2; CD11a +; CD19 +; CD20 + CD28 -; CD38 +
CRM-CCL-155™	RPMI 8226	peripheral blood	B lymphocyte	plasmacytoma; myeloma	Homo sapiens	61 years		immunoglobulin light chain, HLA Aw19, B15, B37, Cw2; CD19 -; CD20 -; CD28 +; CD38 +; CD49e +
CRM-CCL-155D™	RPMI 8226	peripheral blood	B lymphocyte	plasmacytoma; myeloma	Homo sapiens	61 years		immunoglobulin light chain, HLA Aw19, B15, B37, Cw2; CD19 -; CD20 -; CD28 +; CD38 +; CD49e +
CRL-2629™	Loucy	peripheral blood	T lymphocyte	T-cell acute lymphoblastic leukemia	Homo sapiens	38 years adult	White	p53 + overexpressed; (mutated, GTG --> ATG mutation at codon 272), OKT3+, OKT4+, THB4+, J5 +/-, OKT6-, TdT-, and HLA-DR-

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