

**MOLT-4 | 300115**

<b>Description</b>	MOLT-4	T	1971	ALL	19	MOLT-3	MOLT-4	T	γ-			
	MOLT-4		24%	95		MOLT-4	T	CD1	CD2	CD3A	CD3B	CD3
	MOLT-4		Epstein-Barr		p53	248	G -> A	P53				

**Organism**

<b>Tissue</b>	
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<b>Disease</b>	T
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<b>Synonyms</b>	Molt-4, MOLT 4, Molt 4, MOLT.4, MOLT4, Molt4, GM02219, GM02219C, GM2219C, GM02219D
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<b>Age</b>	19
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**Gender**

<b>Ethnicity</b>	
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**Morphology**

<b>Cell type</b>	T
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**Growth properties**

<b>Citation</b>	MOLT-4 Cytion 300115
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<b>Biosafety level</b>	1
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<b>NCBI_TaxID</b>	9606
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<b>CellosaurusAccession</b>	CVCL_0013
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<b>Protein expression</b>	P53				
<b>Antigen expression</b>	CD1 (49%) CD2 (35%) CD3 A (26%) B (33%) C (34%) CD4 (55%) CD5 (72%) CD6 (22%) CD7 (77%)				
<b>Viruses</b>	Epstein-Barr		Minowada 1972		
<b>Products</b>	TdT				
<b>Mutational profile</b>	p53	248	G -> A	P53	Rodrigues 1990
<b>Karyotype</b>	96	X	Y		
<b>Culture Medium</b>	RPMI 1640 w 2.0 mM	w 2.0 g/L NaHCO3		Cytion	820700a
<b>Supplements</b>	10% FBS				
<b>Subculturing</b>	$1 \times 10^5$	$1 \times 10^6$	$3 \times 10^6$	$5 \times 10^6$	
<b>Seeding density</b>	$1 \times 10^5$ /				
<b>Fluid renewal</b>	2 3				
<b>Post-Thaw Recovery</b>	24 48				
<b>Freeze medium</b>	FBS +10% DMSO		CM-1	Cytion	800100
				CM-1	Cytion 800100

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**Thawing and  
Culturing Cells**

1.				
2.		-150°C		3
3.		37°C	40-60	
4.		70%		
5.		8	15	
6.	300 x g	3		
7.	10		T25	T25
8.				

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

**Flask Coating**

**Freezing Procedure** -78 °C

**Shipping Conditions** -78 °C

**Storage Conditions** -150 -196 -80 °C

/ /HLA

**Sterility** PCR

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**HLA**

**A\*:** '01:01:01, '25:01:01

**B\*:** '18:01:01, '57:01:01

**C\*:** '06:02:01, '12:03:01

**DRB1\*:** '07:01:01, '12:01:01

**DQA1\*:** '02:01:01, '05:05:01

**DQB1\*:** '02:02:01, '03:01:01

**DPB1\*:** '02:01:02

**E:** '01:01:01G