



United States Patent [19]

[11] **Patent Number:** **6,043,344**

Jacobs et al.

[45] **Date of Patent:** **Mar. 28, 2000**

[54] **HUMAN CTLA-8 AND USES OF CTLA-8-RELATED PROTEINS**

[51] **Int. Cl.⁷** **C07K 14/54**

[52] **U.S. Cl.** **530/351; 530/350; 424/85.1**

[58] **Field of Search** **530/351, 350; 424/85.1**

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[73] Assignee: **Genetics Institute, Inc.**, Cambridge, Mass.

[57] **ABSTRACT**

Polynucleotides encoding human CTLA-8 and related proteins are disclosed. Human CTLA-8 proteins and methods for their production are also disclosed. Methods of treatment using human CTLA-8 proteins, rat CTLA-8 proteins and herpesvirus herpes CTLA-8 proteins are also provided.

[21] Appl. No.: **09/034,810**

[22] Filed: **Mar. 4, 1998**

13 Claims, 7 Drawing Sheets

Related U.S. Application Data

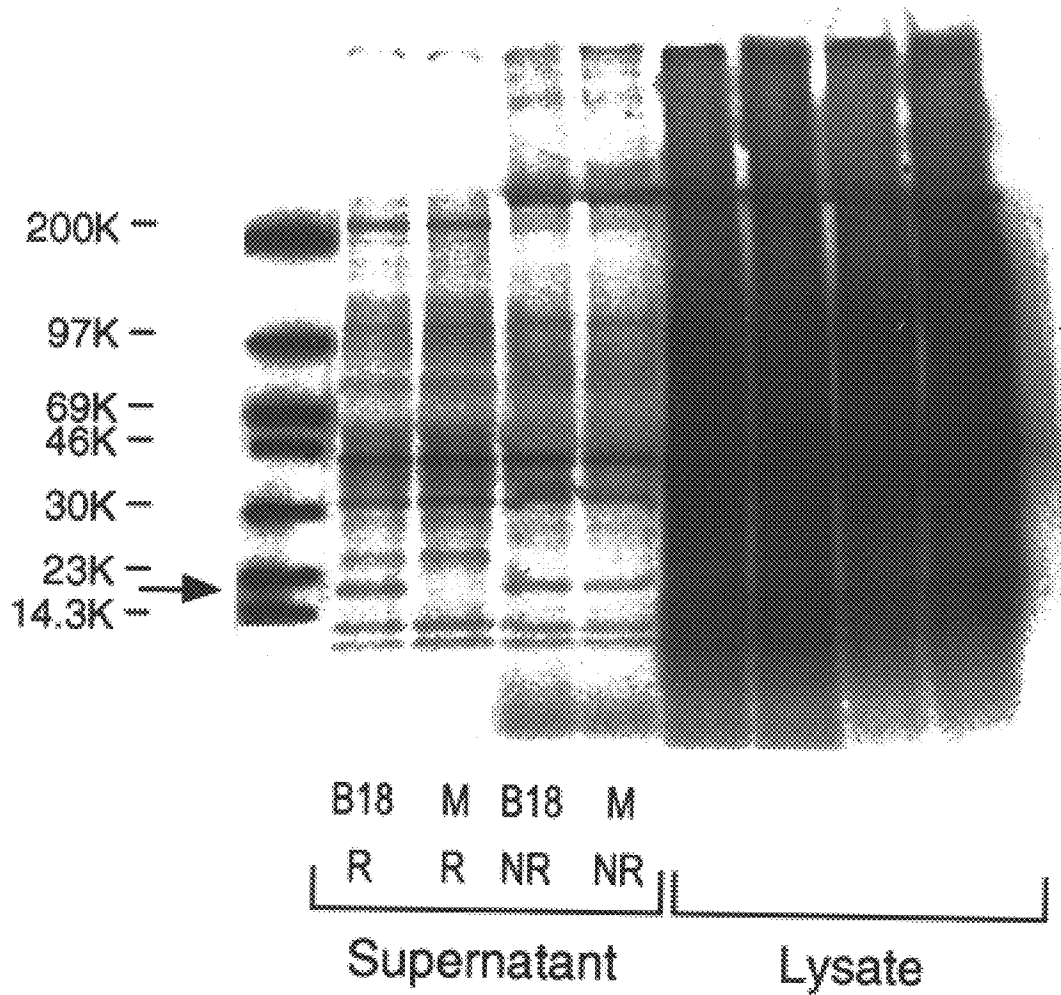
[60] Division of application No. 08/685,239, Jul. 18, 1996, abandoned, which is a continuation-in-part of application No. 08/504,032, Jul. 19, 1995, which is a continuation-in-part of application No. 08/514,014, Aug. 11, 1995, Pat. No. 5,707,829

[60] Provisional application No. 60/035,347, Jul. 19, 1995.

Hsvie_2	- - - -	I	V	K	S	E	I	T	S	A	Q	-	T	P	R	C	L	-	A	A	N	S	F	P	R	S	V	M	V	T	L	S	I	R	N	-	-	-	W	N	T	S	S	K	R	A	S	D	Y	Y	N	R	S	T	S	P	51		
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Musctla8	W T L	S	R	N	E	D	P	D	R	Y	P	S	V	I	W	E	A	Q	C	R	H	Q	R	C	V	N	A	E	G	K	L	D	H	H	M	N	S	V	L	I	Q	Q	E	I	L	V	L	K	R	E	P	E	K	C	P	F	T	111	
B18_F1	W N Y	T	V	T	W	D	P	N	R	Y	P	S	E	V	Q	A	Q	C	R	N	L	G	C	I	N	A	Q	G	K	E	D	I	S	M	N	S	V	P	I	Q	Q	E	T	L	V	V	R	R	K	H	Q	G	C	S	V	S	F	113	
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Fig. 1

Figure 2



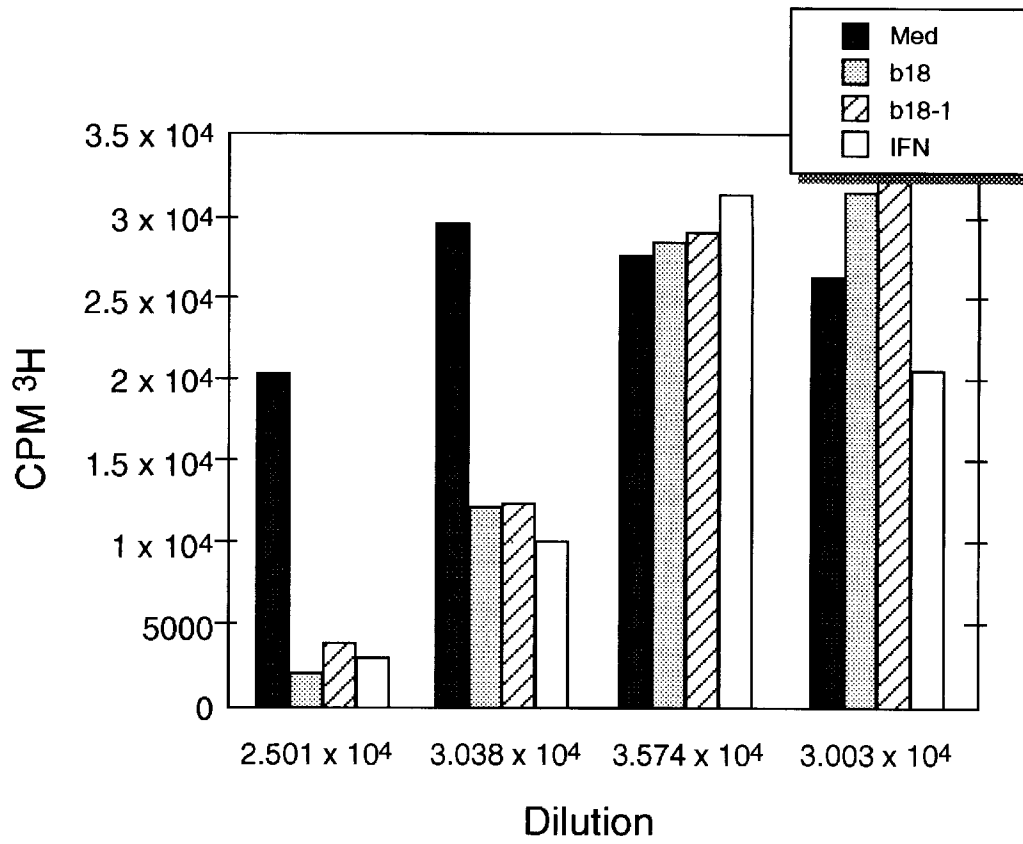
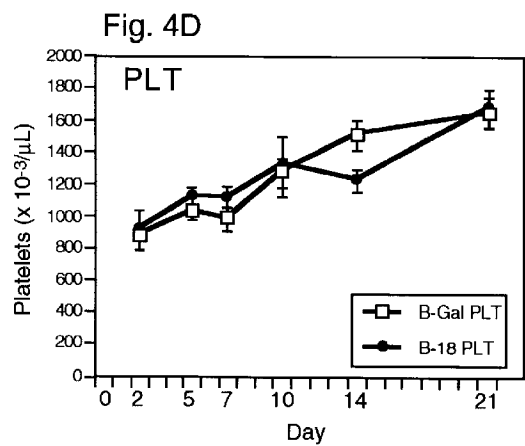
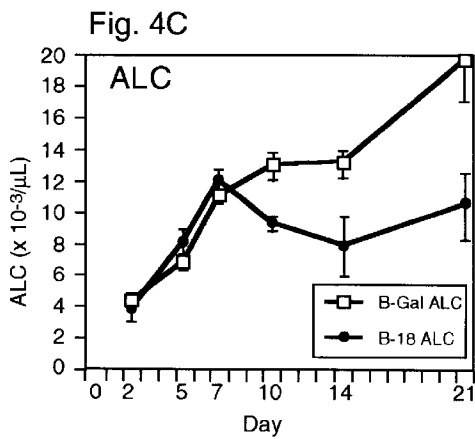
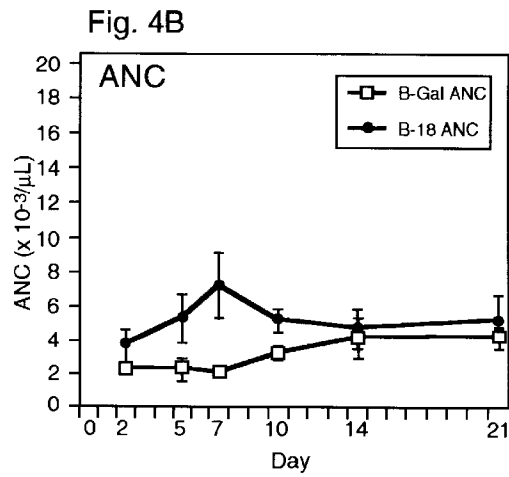
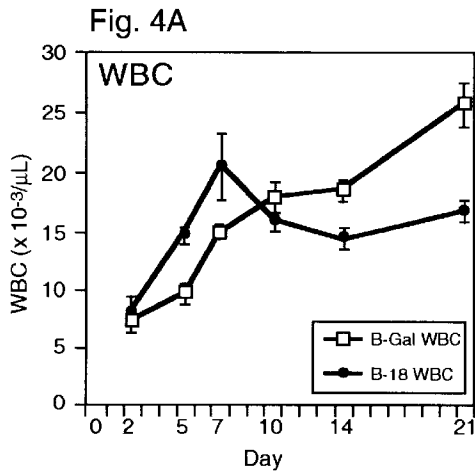


Fig. 3



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