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(71) Applicant (for all designated States except US): **ELI LILLY AND COMPANY** [US/US]; Lilly Corporate Center, Indianapolis, Indiana 46285 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HAN, Bomie** [KR/US]; 5707 Kenderly Court, Carmel, Indiana 46033 (US). **KORYTKO, Andrew** [US/US]; 4720 Marblehead Bay Drive, Oceanside, California 92057 (US). **MITCHELL, Pamela, Jean** [US/US]; 7168 Munsee Lane, Indianapolis, Indiana 46260 (US). **SMITH, Rosamund, Carol** [US/US]; 6130 West 100 North, Greenfield, Indiana 46140 (US). **O'BRYAN (NEE TOBIAS), Linda** [US/US]; 5231 Boulevard Place, Indianapolis, Indiana 46208 (US). **WANG, Rong** [CN/US]; 5819 Stone Pine Trail, Carmel, Indiana 46033 (US).

(74) Agents: **WISKERCHEN, MaryAnn** et al.; ELI LILLY AND COMPANY, P. O. Box 6288, Indianapolis, Indiana 46206-6288 (US).

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(54) Title: ANTI-MYOSTATIN ANTIBODIES

(57) Abstract: A neutralizing epitope is identified within amino acids 40-64 of the mature form of human myostatin. Antibodies that bind this epitope with high affinity preferentially bind GDF-8 over GDF-11 and may be chimeric, humanized or fully human antibodies, immunoconjugates of the antibodies or antigen-binding fragments thereof. The antibodies of the invention are useful for increasing muscle mass, increasing bone density, or for the treatment of various disorders in mammalian and avian species.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, BIOSIS, MEDLINE, EMBASE, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 2004/037861 A (WYETH CORP [US]; CAMBRIDGE ANTIBODY TECH [GB]; VELDMAN GEERTRUIDA M [U] 6 May 2004 (2004-05-06) page 4, paragraph [0013] to page 6, paragraph [0015] page 7, paragraph [00122 to paragraph [0024] page 11, paragraph [0038] page 16, paragraph [0052] to page 30, paragraph [0079] page 29, paragraph [0079] page 34, paragraph [0091] to paragraph [0092]examples 6,9,13,14</p> <p style="text-align: center;">----- -/--</p>	1-21

Further documents are listed in the continuation of Box C.

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Loubradou, Gabriel

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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P,X	WO 2005/094446 A (LILLY CO ELI [US]; SMITH ROSAMUND CAROL [US]; KIKLY KRISTINE KAY [US];) 13 October 2005 (2005-10-13) page 3, last paragraph - page 10, paragraph 3 page 14, paragraph 2 page 15, paragraph 2 - page 19, paragraph 1; tables 1,2 page 20, paragraph 2 page 29, paragraph 2 - page 30, paragraph 2 page 36, paragraph 1 - page 38, paragraph 1; claims 1-17; examples 1-5	1,3-9, 14-21
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