

Recent patent applications in antibody fragments

Patent number	Description	Assignee	Inventor	Priority application date	Publication date
US 20110021755	An antibody or immunoadhesin comprising an Fc variant of parent fragment crystallizable (Fc) polypeptide; useful in pharmaceutical compositions for preventing and/or treating autoimmune or inflammatory disease.	Xencor (Monrovia, CA, USA)	Dang W, Desjarlais JR, Hayes R, Karki SB, Lazar GA, Vafa O, Vielmetter J	3/3/2003	1/27/2011
JP 2011007782	A method of measuring soluble interleukin-2 receptor (sIL-2R) in a sample, comprising reacting a first antibody or its fragment that binds sIL-2R with a magnetic particle in an aqueous medium; reacting a second antibody coupled with sIL-2R or its fragment with the complex in an aqueous medium; isolating a magnetic particle in the reaction liquid; and measuring the second antibody on the magnetic particle.	Kyowa Medex (Tokyo)	–	5/22/2009	1/13/2011
WO 2011005481	An antibody or its antigen-binding fragment comprising the Fc region and method of its production, and a method of detecting or treating cancer, autoimmune, inflammatory or infectious diseases or disorders, comprising administering the antibody or its antigen binding fragment.	MedImmune (Gaithersburg, MD, USA)	DiMasi N, Gao C	6/23/2009	1/13/2011
WO 2011002494, US 20110002945	A method of binding aggregated amyloidogenic proteins such as amyloid fibril or oligomer, involving exposing aggregated amyloidogenic proteins to an antibody chain, comprising heavy chain, light chain, or a portion of heavy or light chain of immunoglobulin.	Thomas Jefferson University (Philadelphia), Adekar S, Dessain S, O'Nuallain B, University of Tennessee Research Foundation (Knoxville, TN, USA)	Adekar S, Dessain S, O'Nuallain B	7/1/2009	1/6/2011
US 20110003399	An isolated antibody or its fragment capable of binding specifically to protein or TNF- γ protein; useful in a pharmaceutical composition for preventing and/or treating, e.g., cancer, cachexia, septic shock and malaria.	Human Genome Sciences (Rockville, MD, USA)	Ni J, Rosen CA, Yu G, Zhang J	11/7/1994	1/6/2011
US 20110003383	An isolated antibody or its fragment capable of specifically binding to isolated HT5GJ57 polypeptide; used in a pharmaceutical composition for diagnosing and treating disorders, e.g., hyperproliferative disorders.	Human Genome Sciences (Rockville, MD, USA)	Brewer LA, Duan DR, Ebner R, Endress GA, Florence KA, Komatsoulis GA, Lafleur DW, Moore PA, Mucenski M, Olsen HS, Rosen CA, Ruben SM, Shi Y, Soppet DR, Young PE	7/15/1998	1/6/2011
WO 2011001029	An antibody that recognizes novel epitopes originated by enzyme-dependent cleavage of insulin-like growth factor binding protein-4, comprising specific amino acid sequence or an amino acid sequence having at least 80% homology to specific amino acid sequence; useful for diagnosing, e.g., cancer.	HyTest (Turku, Finland)	Katrukha AG, Kharitonov AV, Postnikov AB, Solovyeva TI	6/29/2009	1/6/2011
US 20100330661	A device comprising a solid support that is useful for the detection and quantification of <i>Ehrlichia ewingii</i> , <i>Ehrlichia ewingii</i> antibodies, antibody fragments and polypeptides.	IDEXX Laboratories (Westbrook, ME, USA)	O'Connor TP	2/22/2005	12/30/2010
US 20100330595	A method of diagnosing hereditary hemochromatosis or chronic renal insufficiency, involving obtaining a tissue or fluid sample from the subject, contacting the sample with an antibody or its fragment and quantifying hepcidin level in the sample.	DRG International (Mountainside, NJ, USA)	Geacintov CE, Janetzko A, Kulaksiz H, Stremmel W	11/19/2002	12/30/2010
US 20100322931, WO 2010148223	An anti-vascular endothelial growth factor (VEGF) antibody or an anti-VEGF binding fragment of antibody, comprising complementarity determining regions having amino acid sequences corresponding to fully defined amino acids given in the specification; useful for treating cancer, age-related macular degeneration and immune disorders.	Akamatsu Y, DuBridge RB, Facet Biotech (Redwood City, CA, USA), Harding FA, Powers DB	Akamatsu Y, DuBridge RB, Harding FA, Powers DB	6/17/2009	12/23/2010

Source: Thomson Scientific Search Service. The status of each application is slightly different from country to country. For further details, contact Thomson Scientific, 1800 Diagonal Road, Suite 250, Alexandria, Virginia 22314, USA. Tel: 1 (800) 337-9368 (<http://www.thomson.com/scientific>).