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Wiegand et al.

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(54) **USE OF VEGF INHIBITORS FOR TREATMENT OF EYE DISORDERS**

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Related U.S. Application Data

(63) Continuation-in-part of application No. 10/988,243, filed on Nov. 12, 2004, which is a continuation-in-part of application No. 10/009,852, filed as application No. PCT/US00/14142 on May 23, 2000, now Pat. No. 7,070,959, which is a continuation-in-part of application No. 10/880,021, filed on Jun. 29, 2004, now Pat. No. 7,279,159, which is a continuation-in-part of application No. 10/609,775, filed on Jun. 30, 2003, now Pat. No. 7,087,411.

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(51) **Int. Cl.**

A61K 38/18 (2006.01)
C07K 14/71 (2006.01)
C12N 15/62 (2006.01)

(52) **U.S. Cl.** **424/134.1**; 424/192.1; 514/2; 514/12; 530/350; 536/23.4

(58) **Field of Classification Search** None
See application file for complete search history.

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(57) **ABSTRACT**

Modified chimeric polypeptides with improved pharmacokinetics and improved tissue penetration are disclosed useful for treating eye disorders, including age-related macular degeneration and diabetic retinopathy.

11 Claims, 11 Drawing Sheets

Mylan v. Regeneron
IPR2021-00881
U.S. Pat. 9,254,338
Exhibit 2037

Binding Stoichiometry of hVEGF165 to Flt1D2Flk1D3.FcΔC1(a) & VEGFR1R2-FcΔC1(a)		
hVEGF165 (nM)	VEGF/Flt1D2Flk1D3.FcΔC1(a)	VEGF/VEGFR1R2-FcΔC1(a)
1	0.93	0.98
10	0.97	0.94
50	1	0.99
Average ± StDev	0.96 ± 0.03	0.97 ± 0.02

Fig. 1

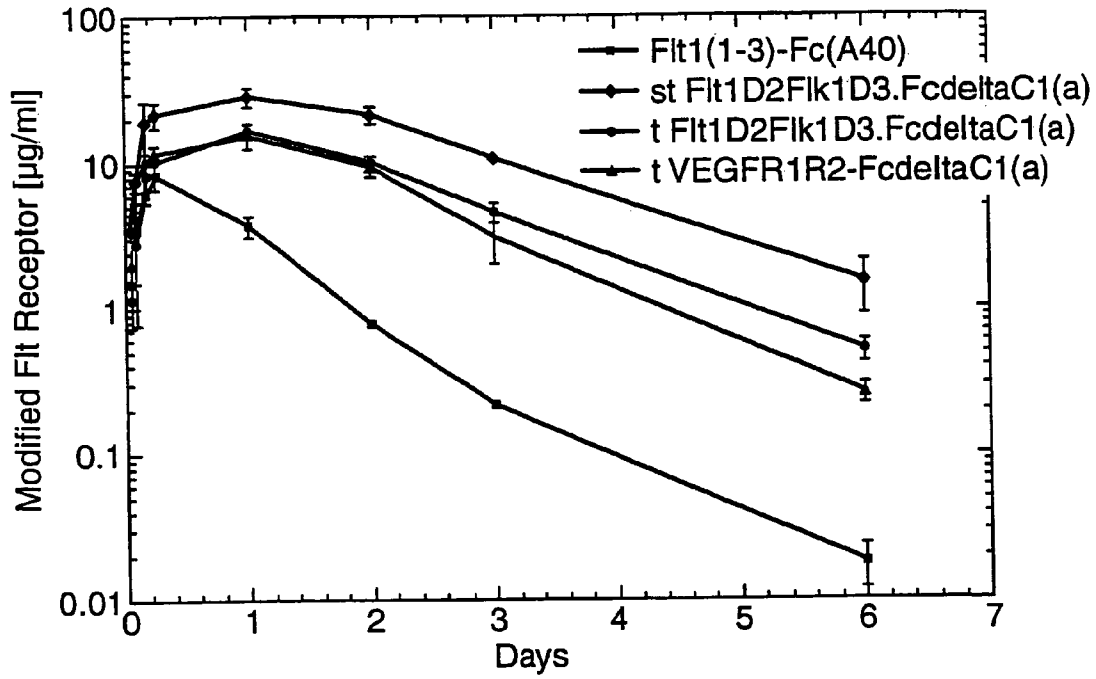


Fig. 2

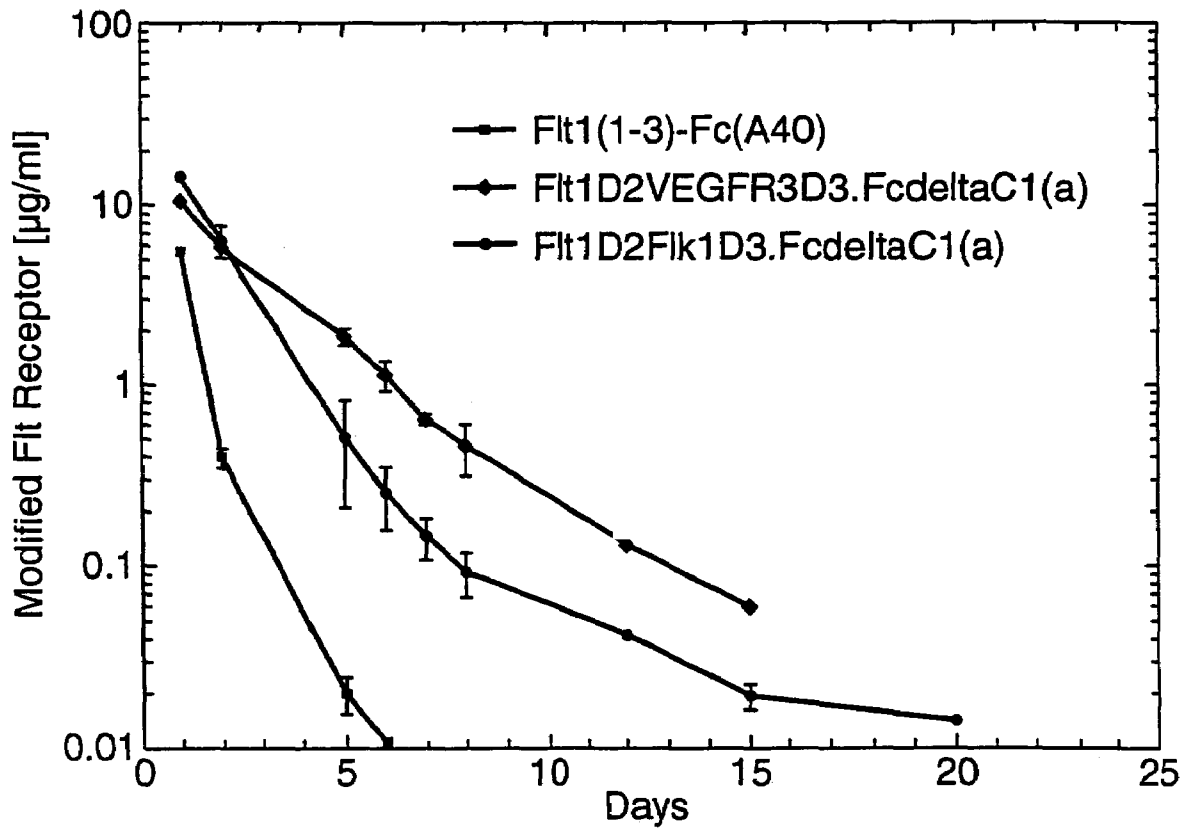


Fig. 3

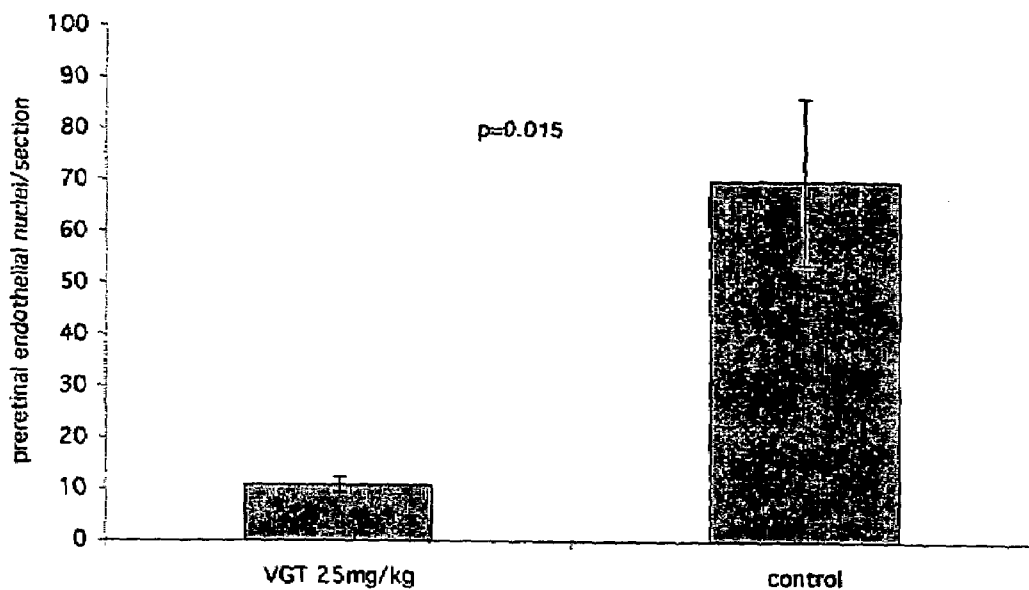


Fig. 4

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