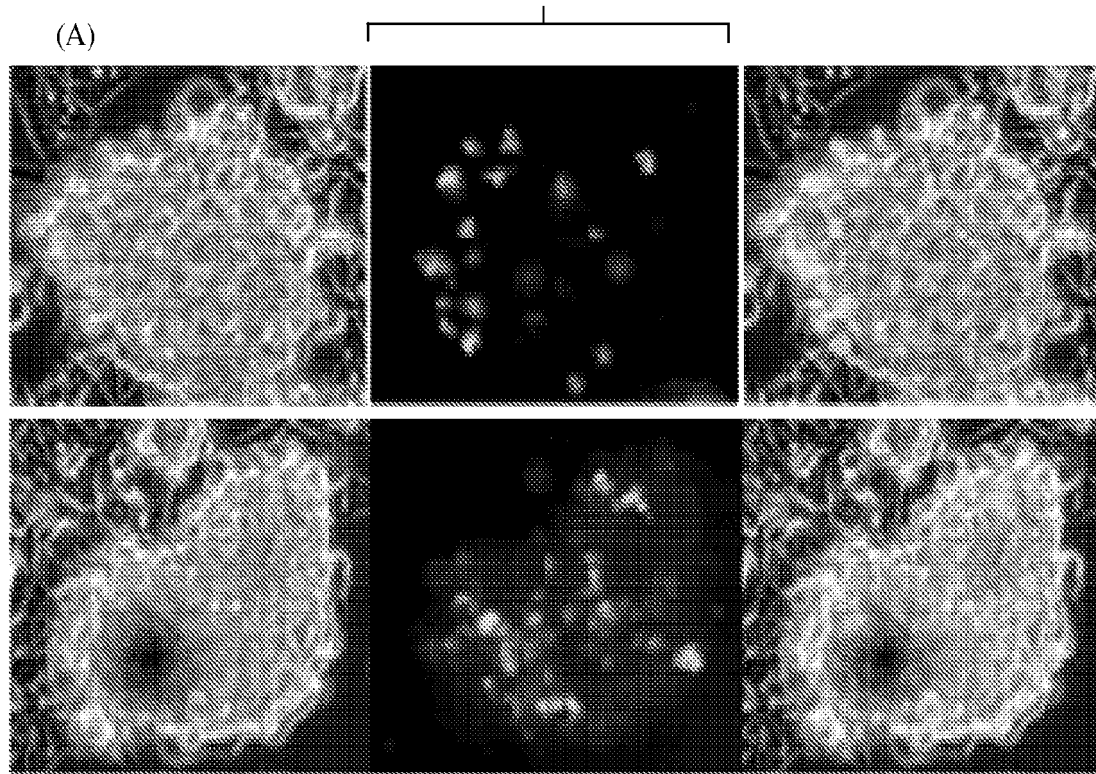
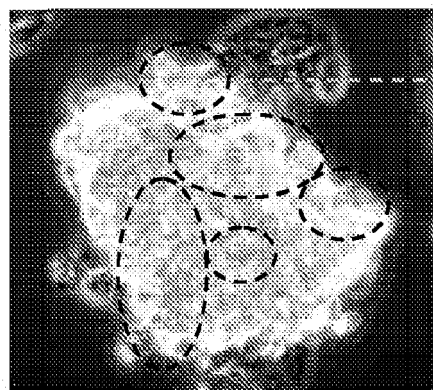


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Spot indicates fluorescently-
conjugated Hb (Hb-FITC)



(B)



Dotted circle shows the uptake
of fluorescently-conjugated
polymerized Hb

FIG. 1

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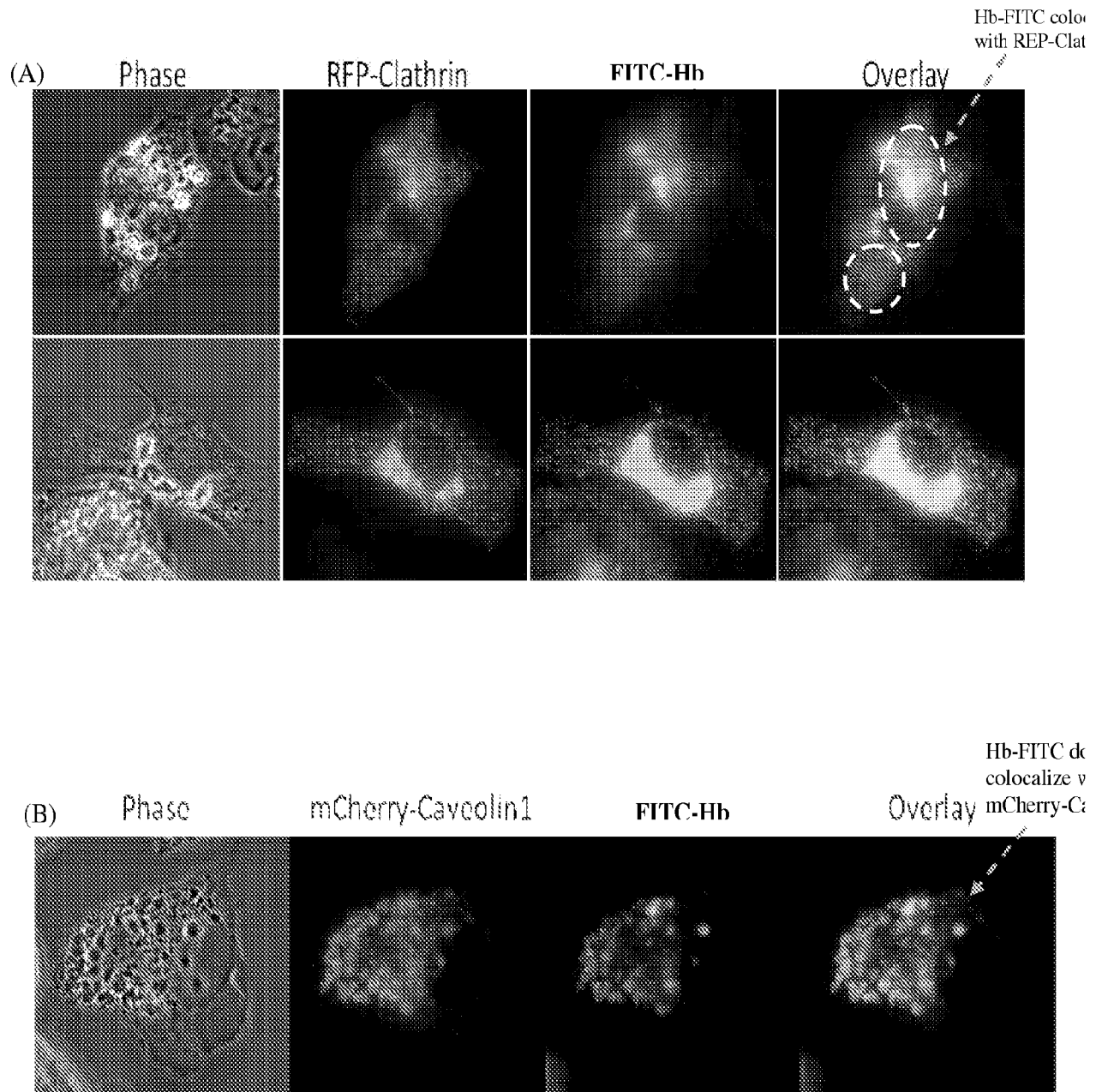


FIG. 2

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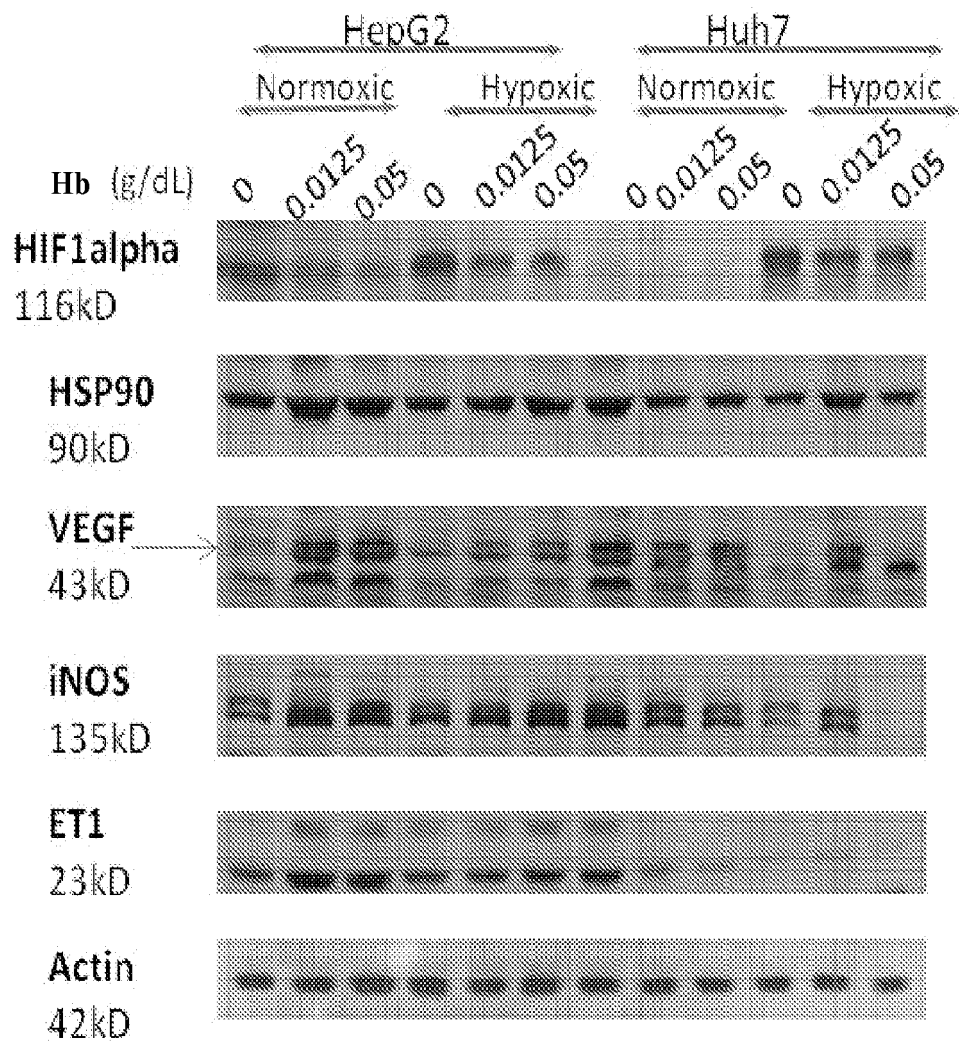


FIG. 3

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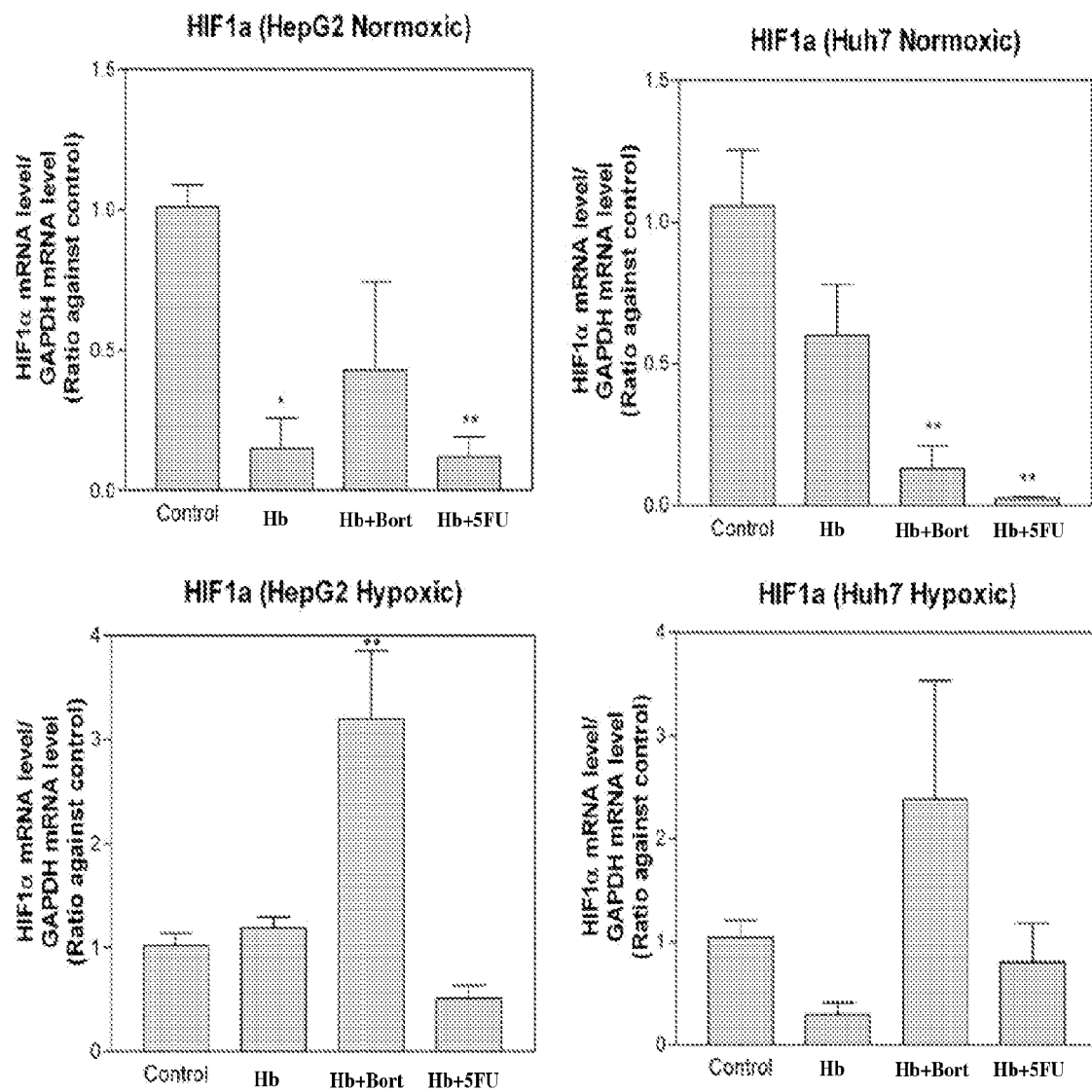
HIF1 α 

FIG. 4

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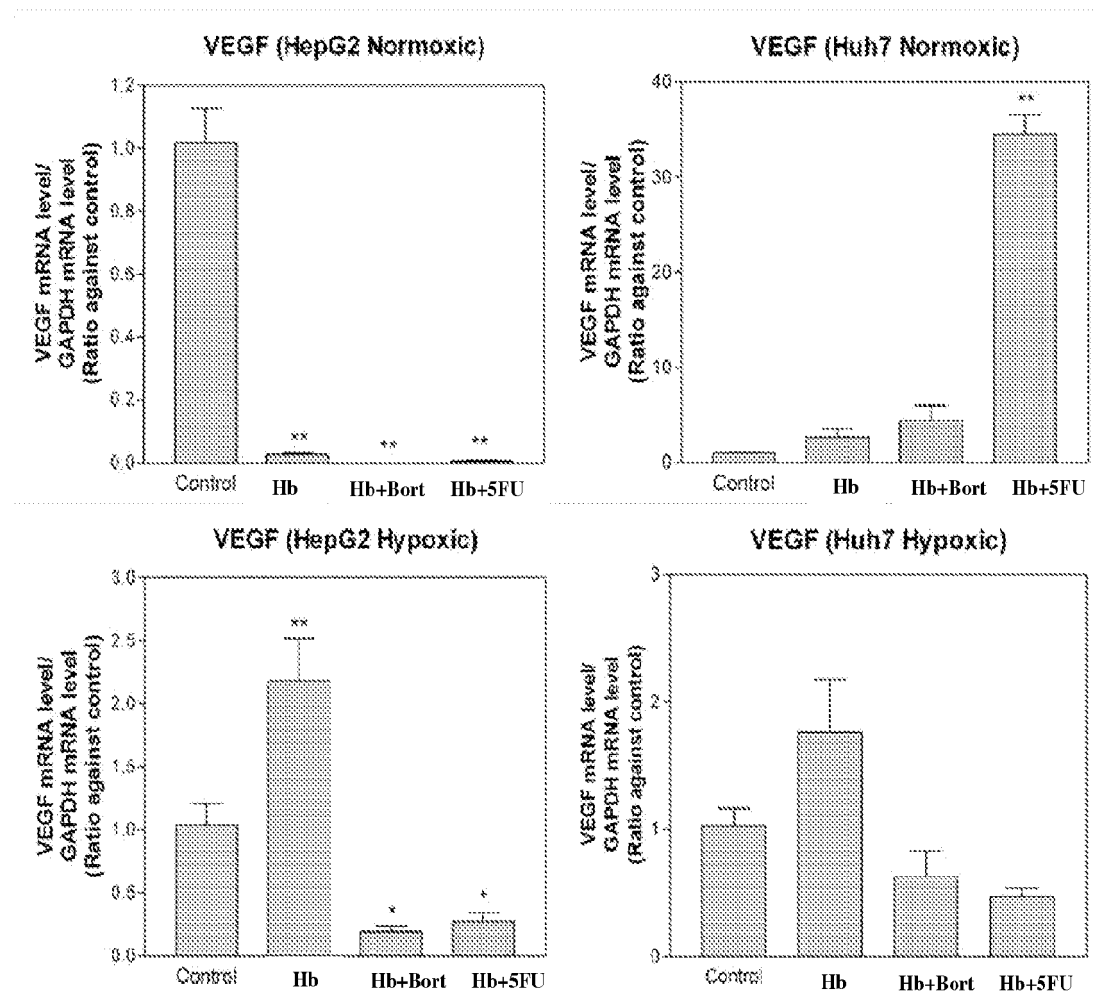
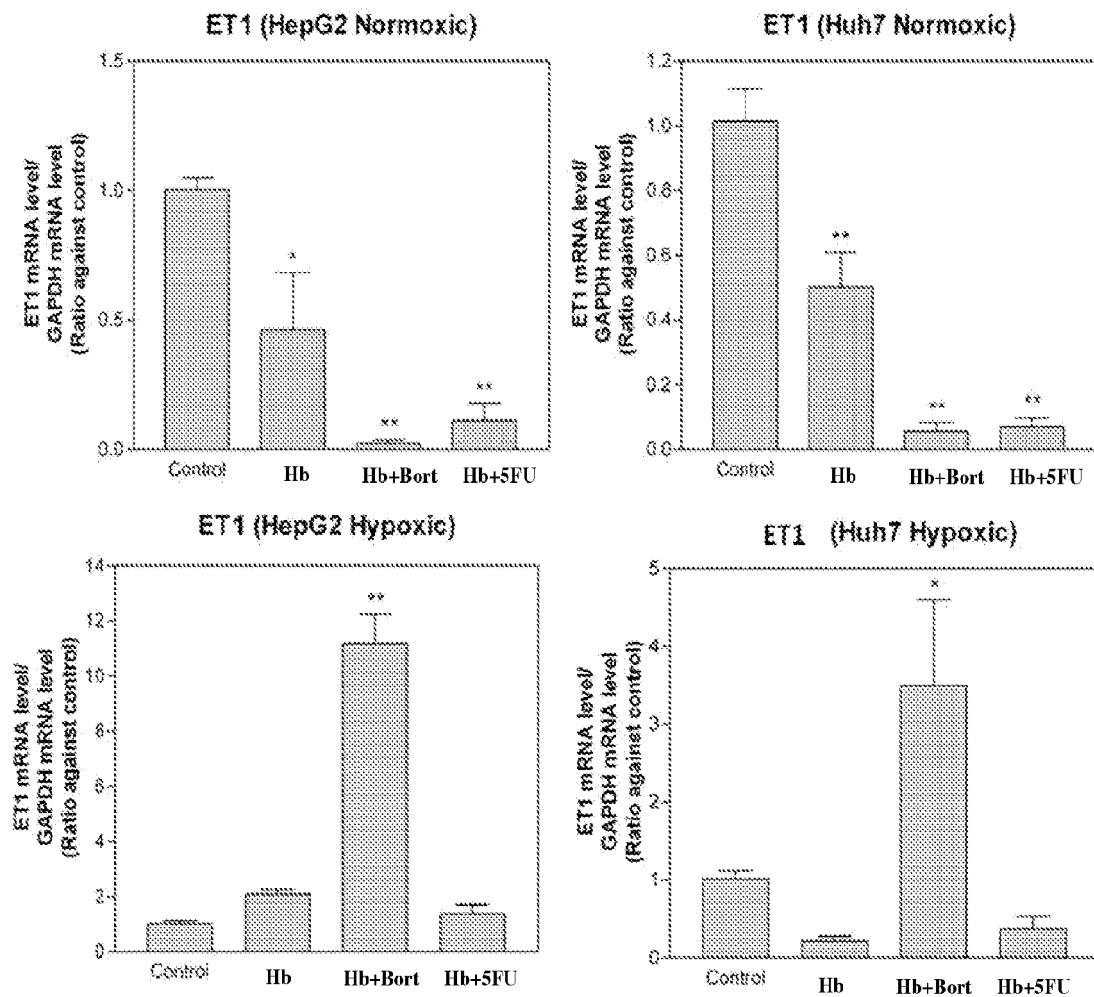
VEGF

FIG. 5

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ET1**FIG. 6**

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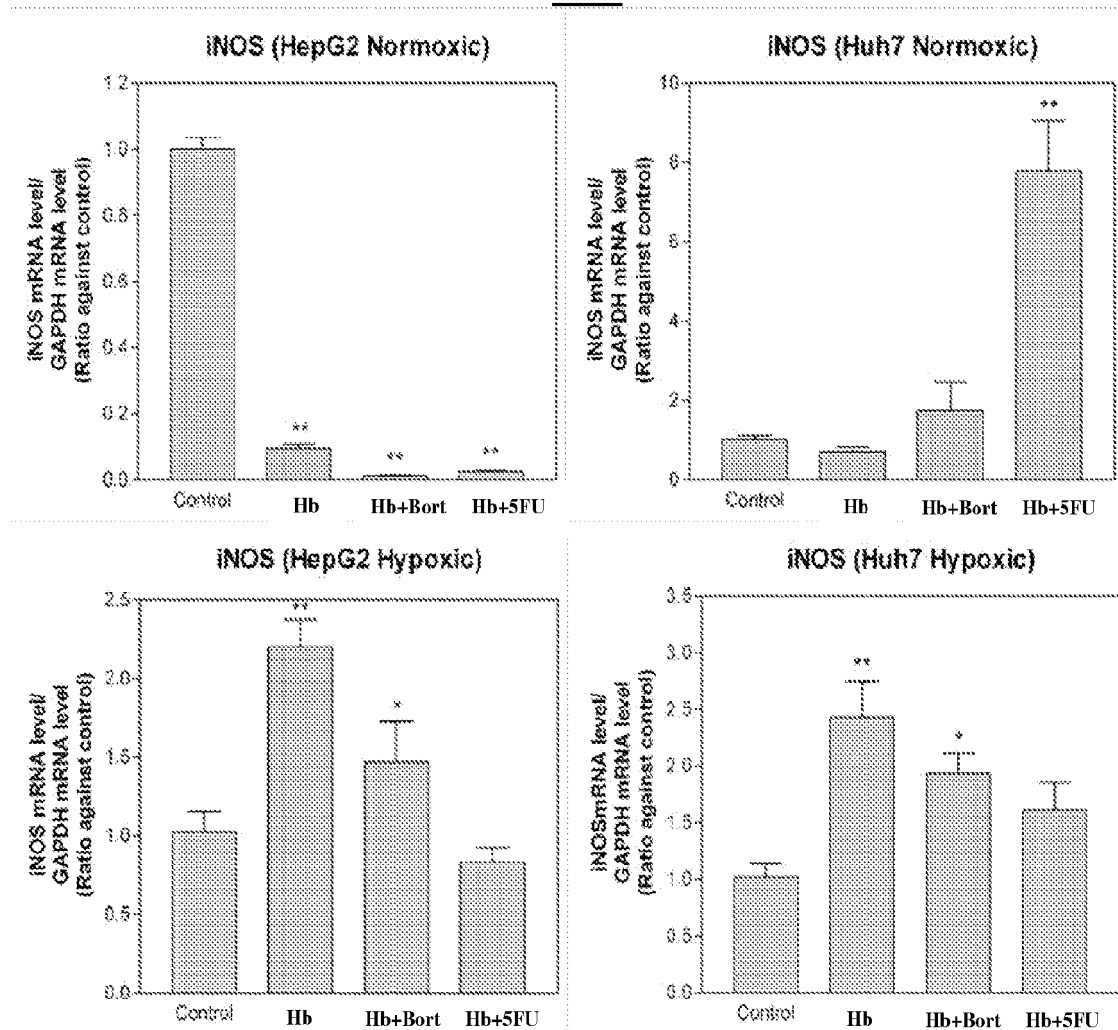
iNOS

FIG. 7

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VHL

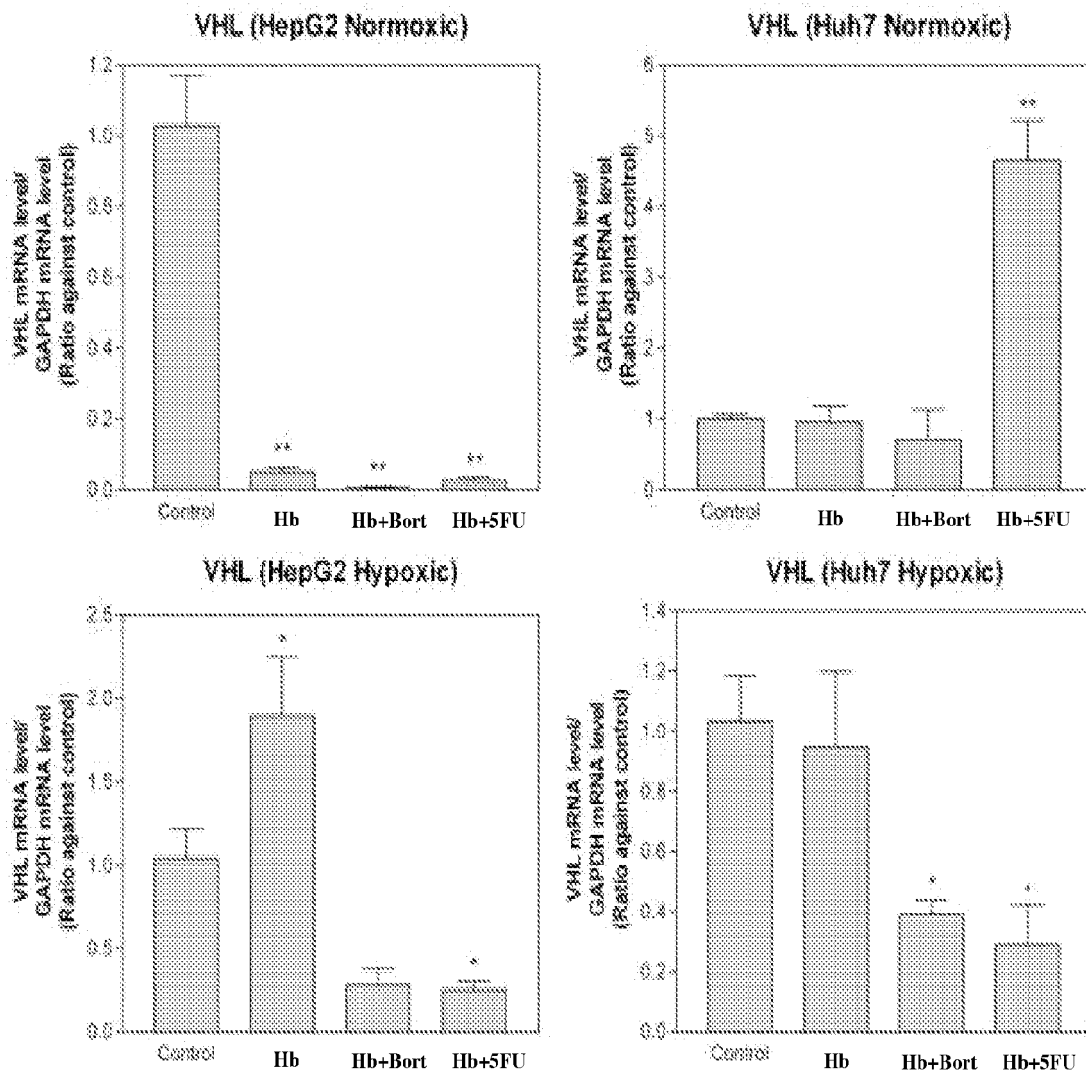
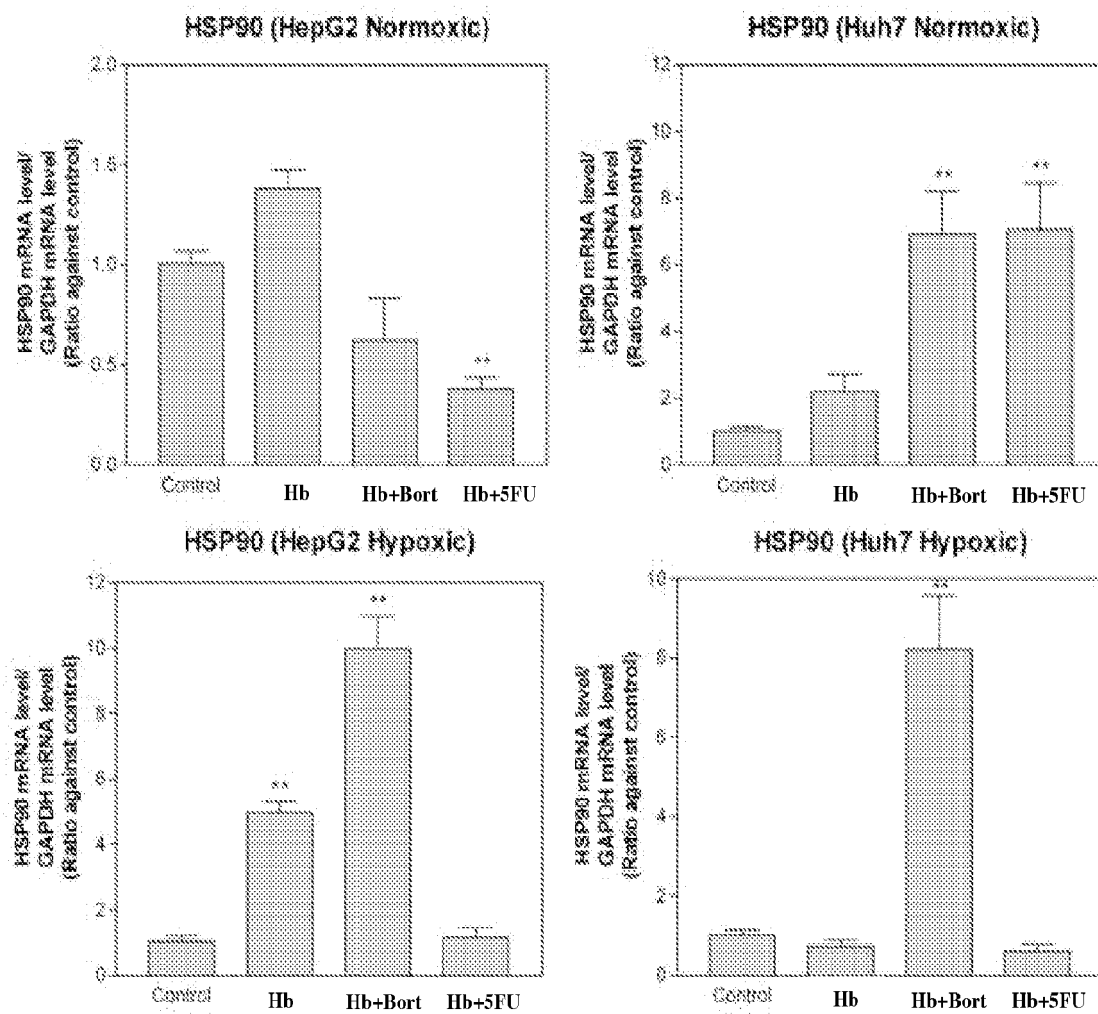


FIG. 8

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HSP90**FIG. 9**

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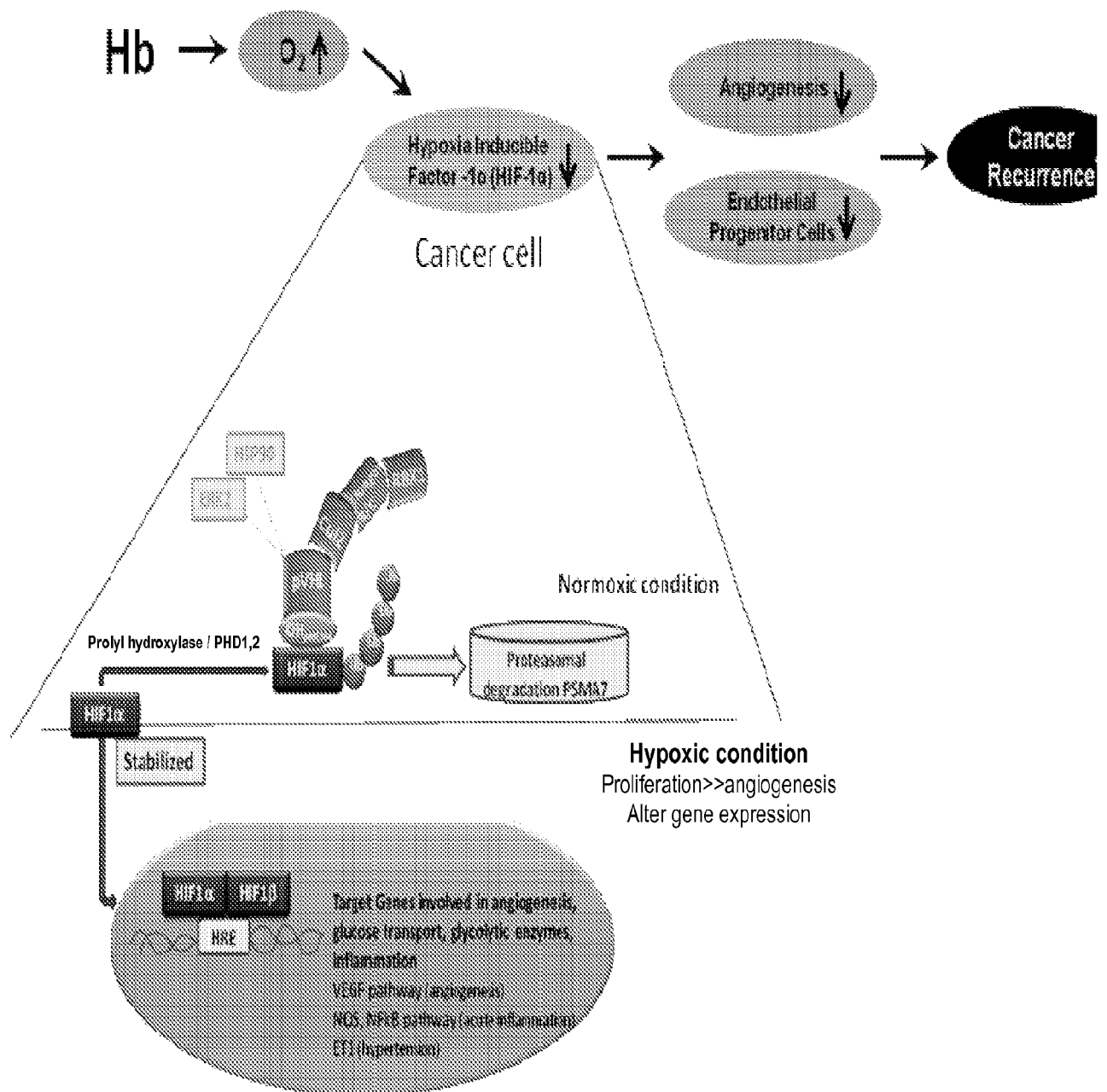


FIG. 10

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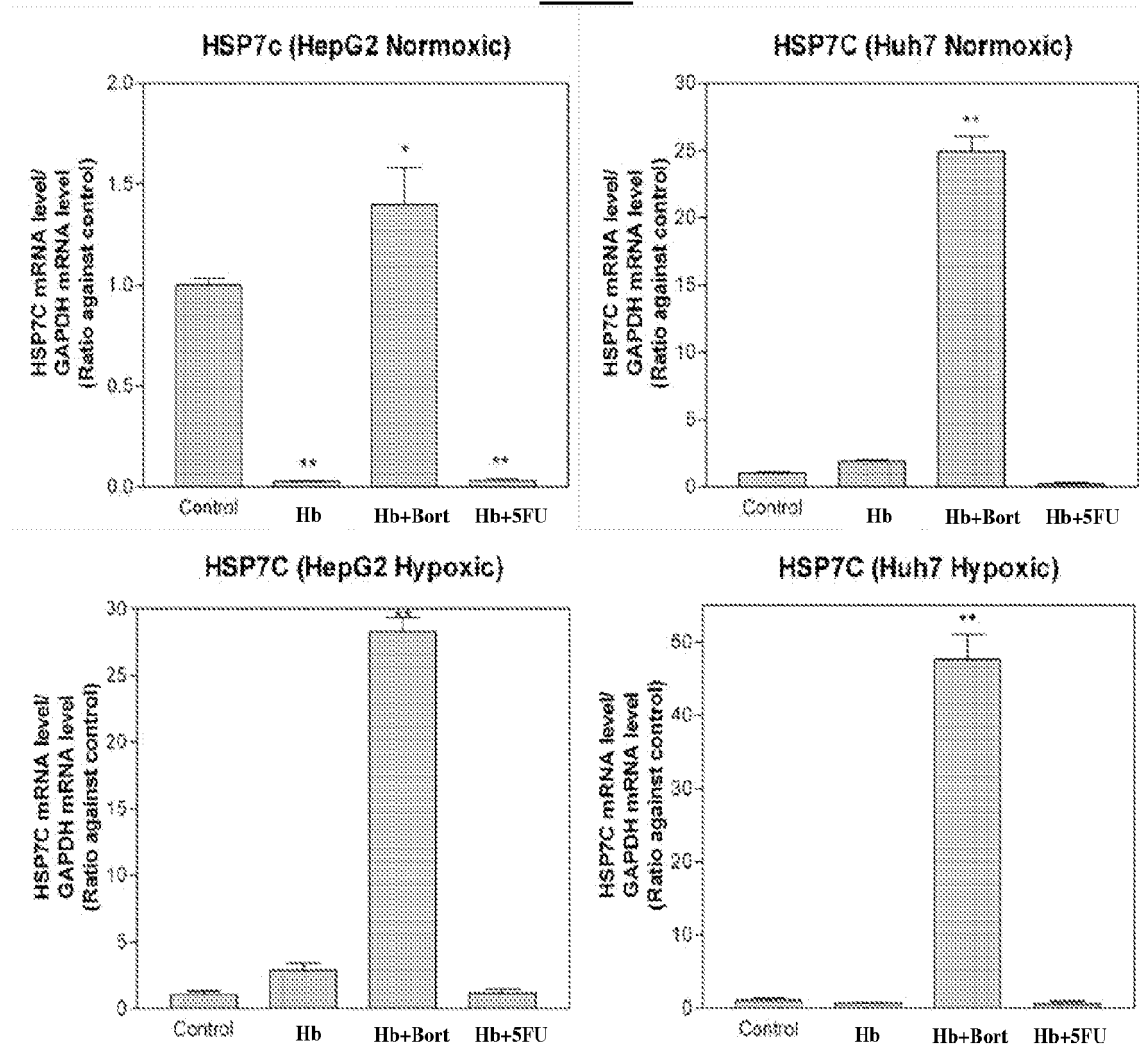
HSP7C

FIG. 11

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HMGB3

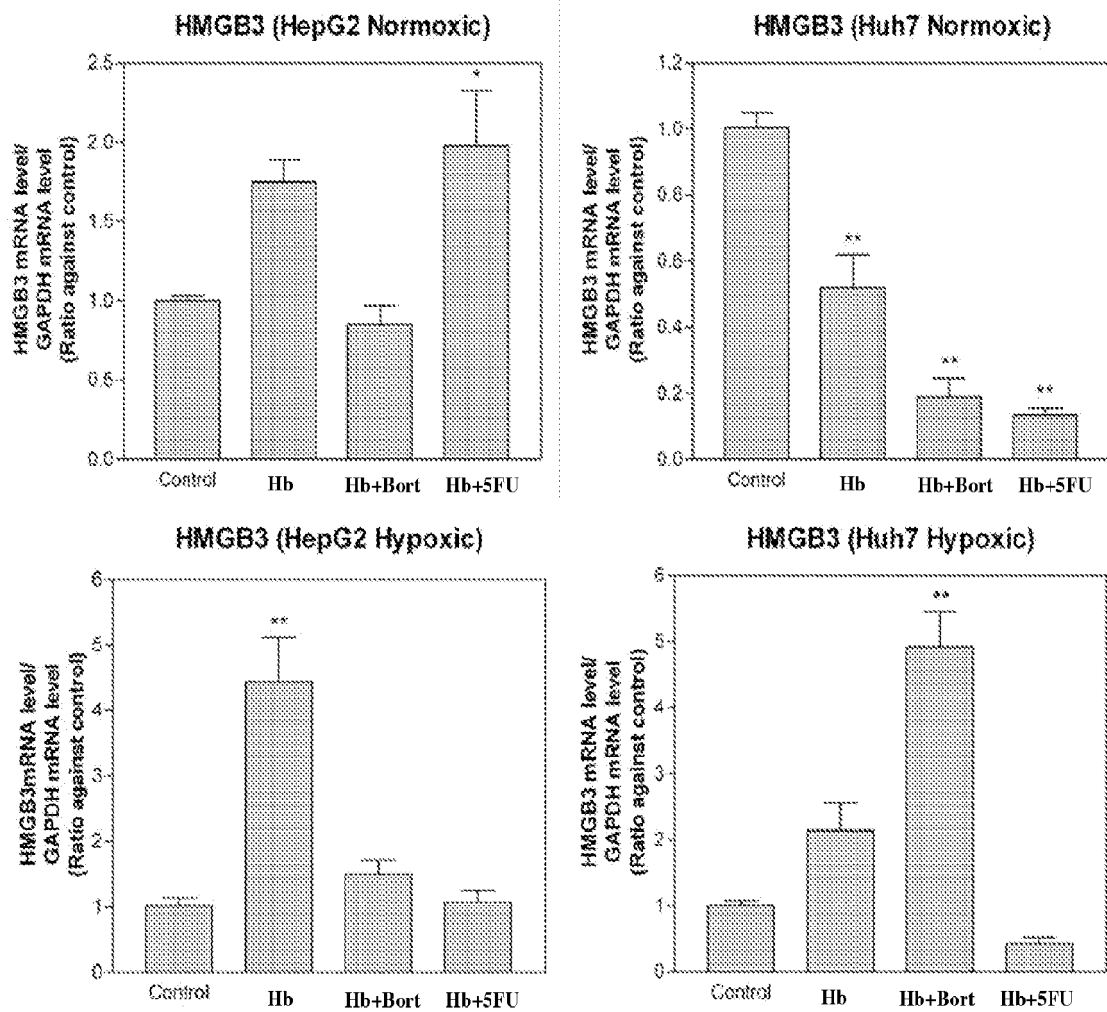


FIG. 12

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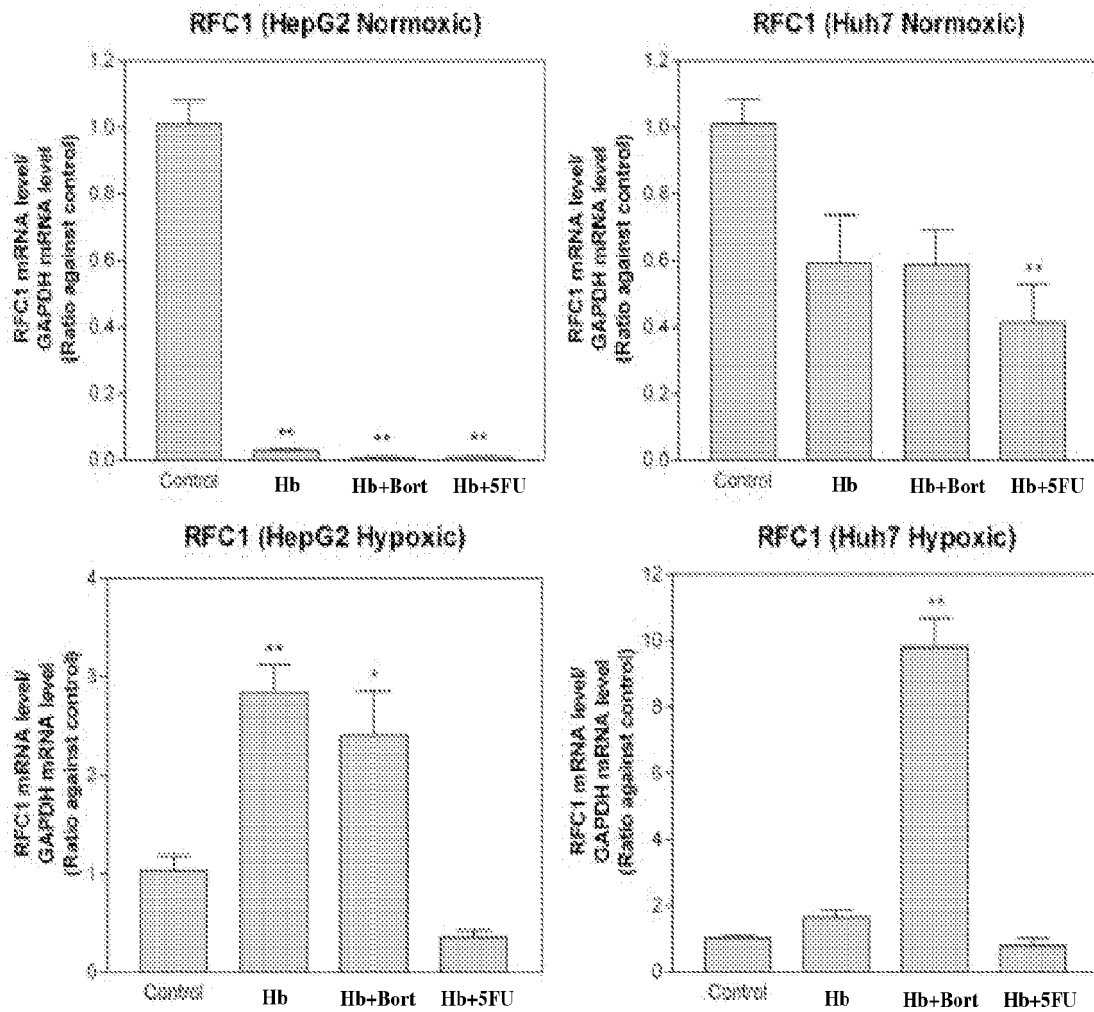
RFC1

FIG. 13

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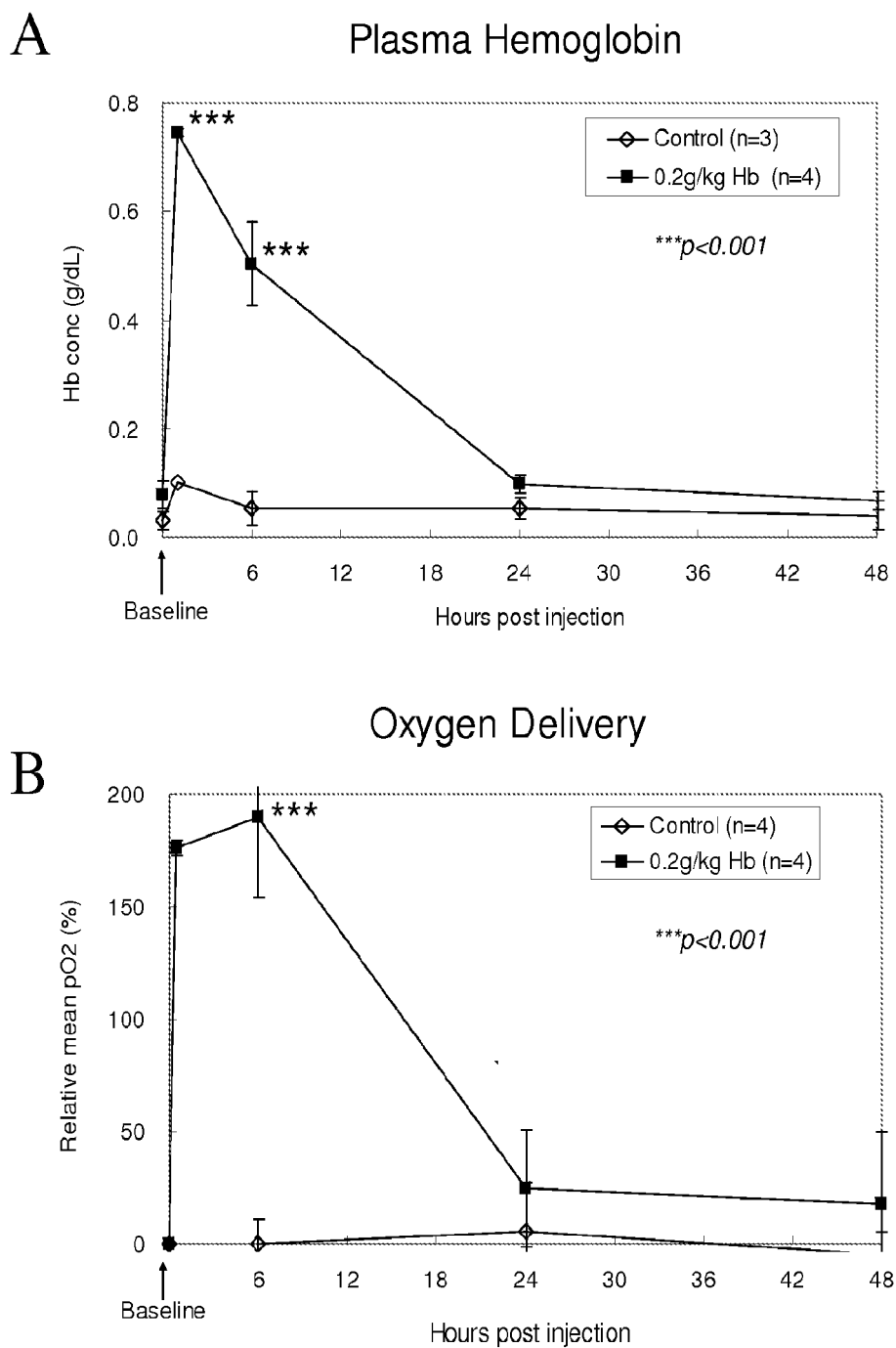


FIG. 14

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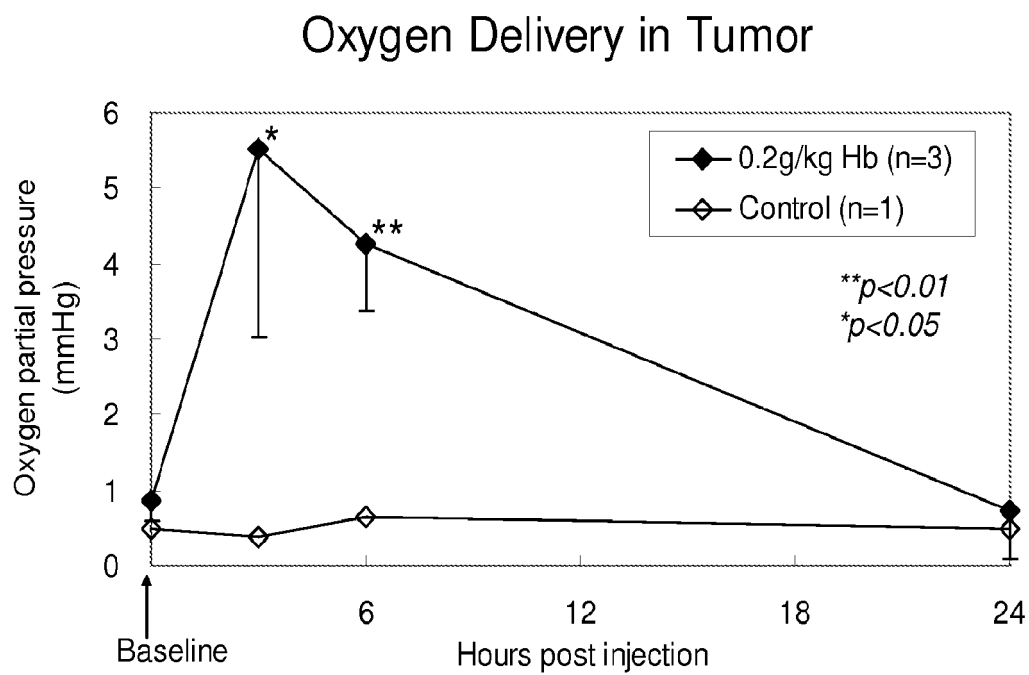
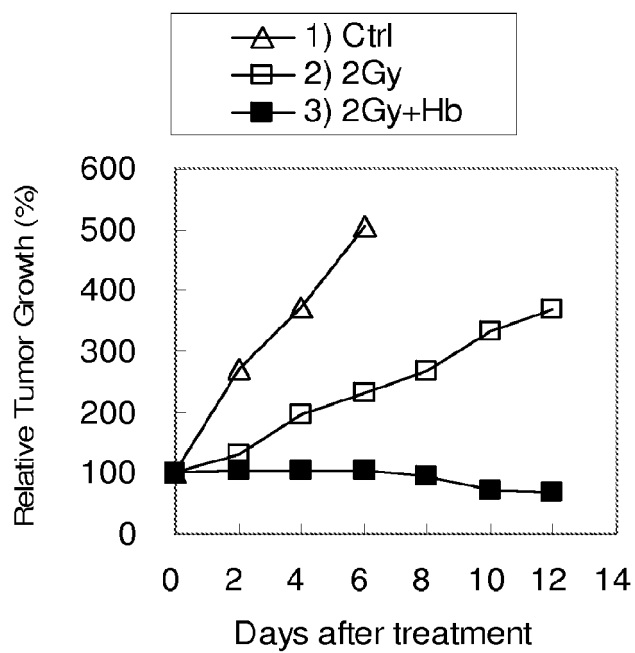
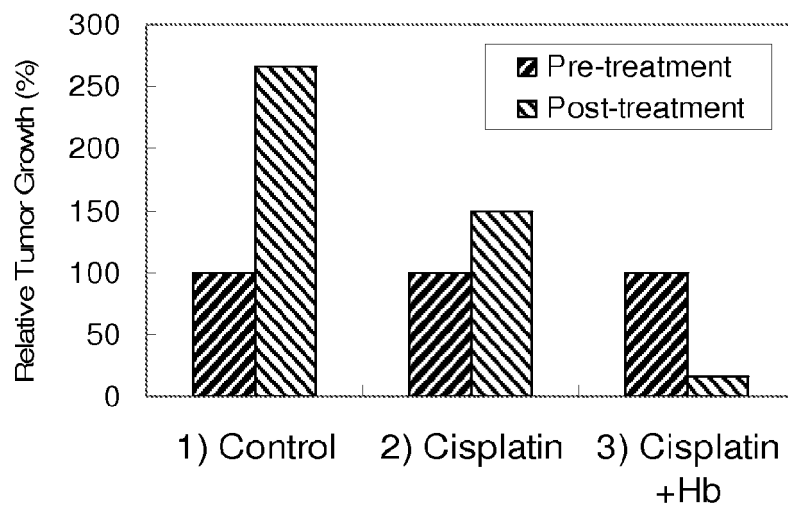


FIG. 15

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A**Nasopharyngeal Cancer****B****Liver Cancer****FIG. 16**

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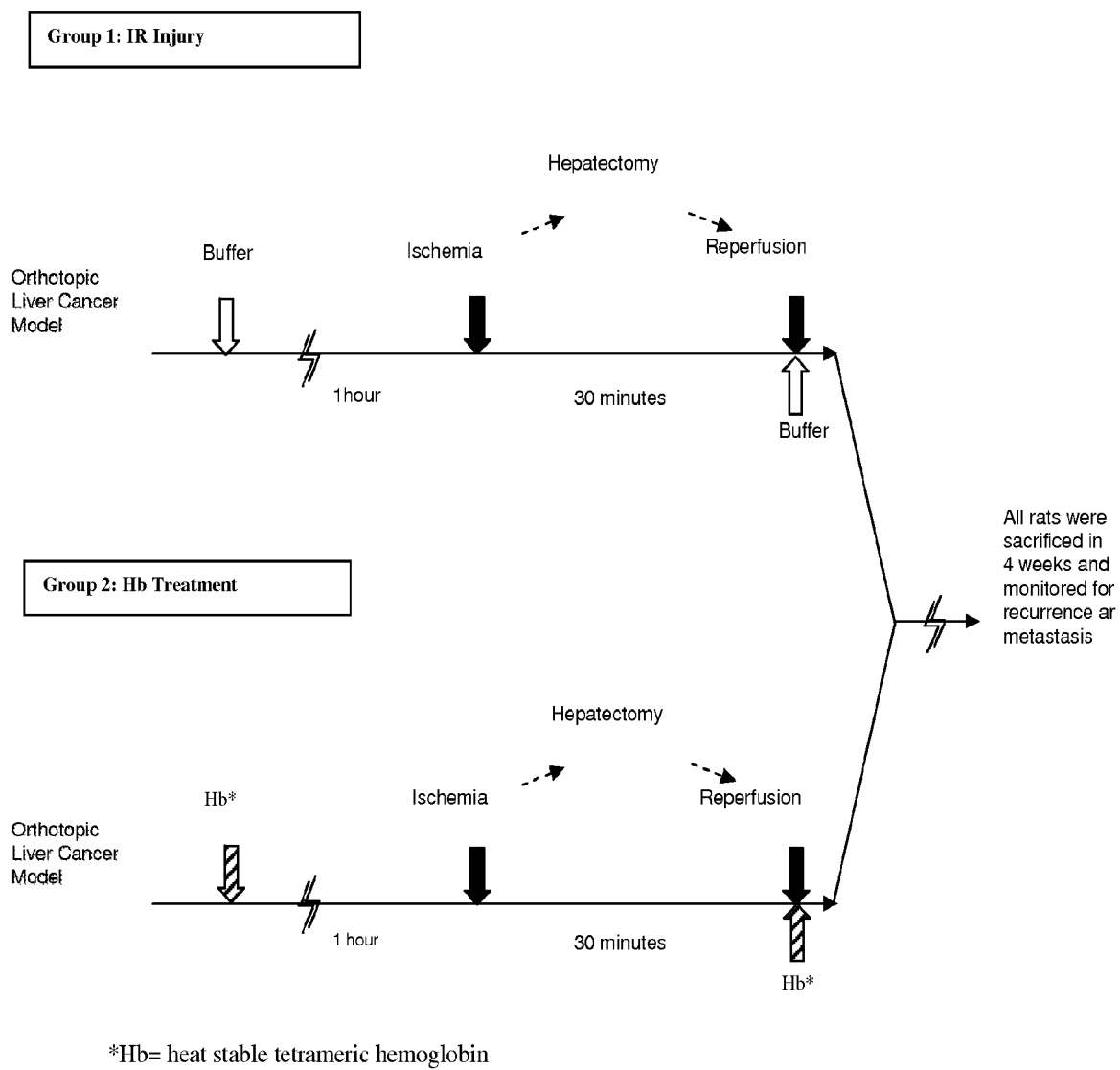


FIG. 17

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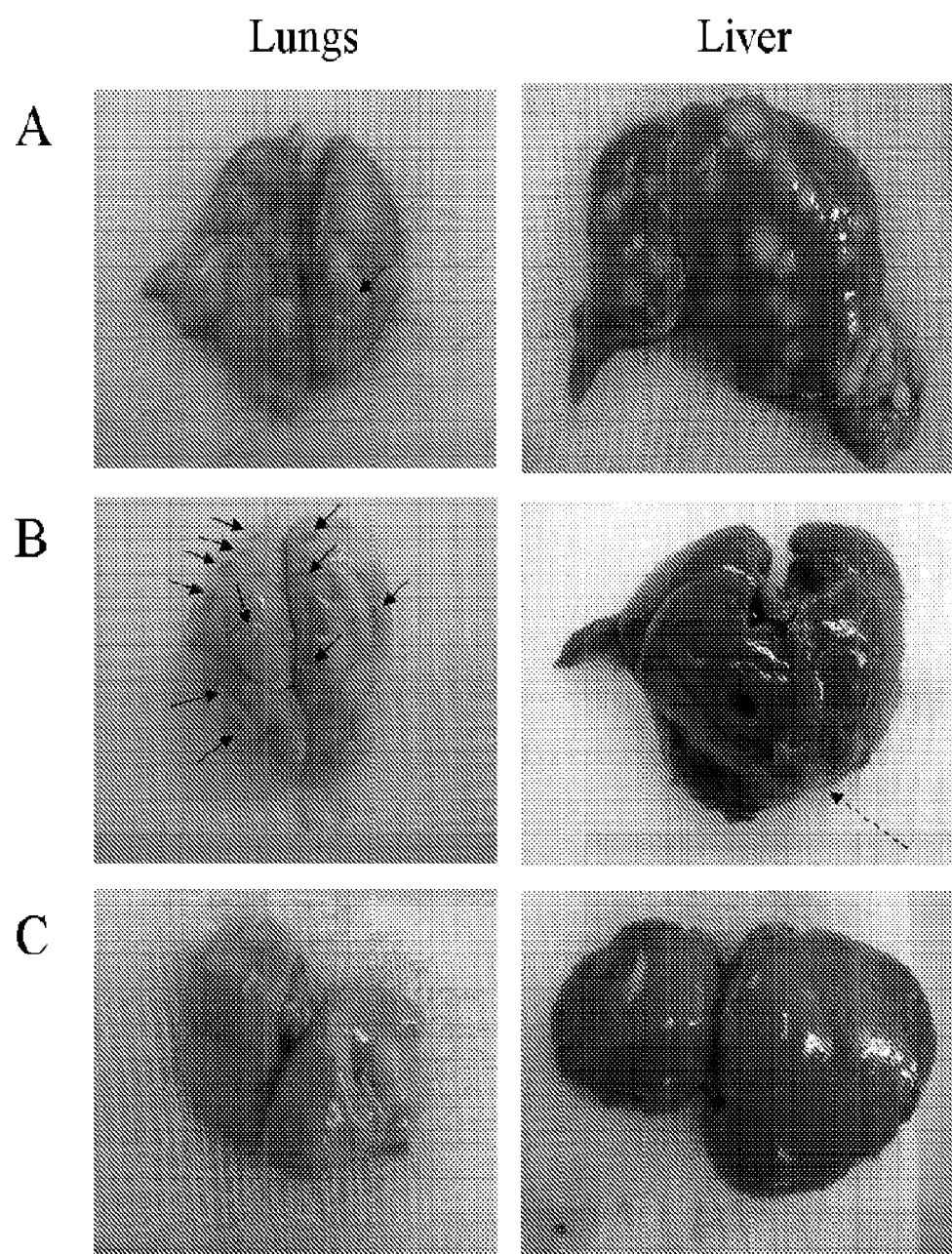


FIG. 18

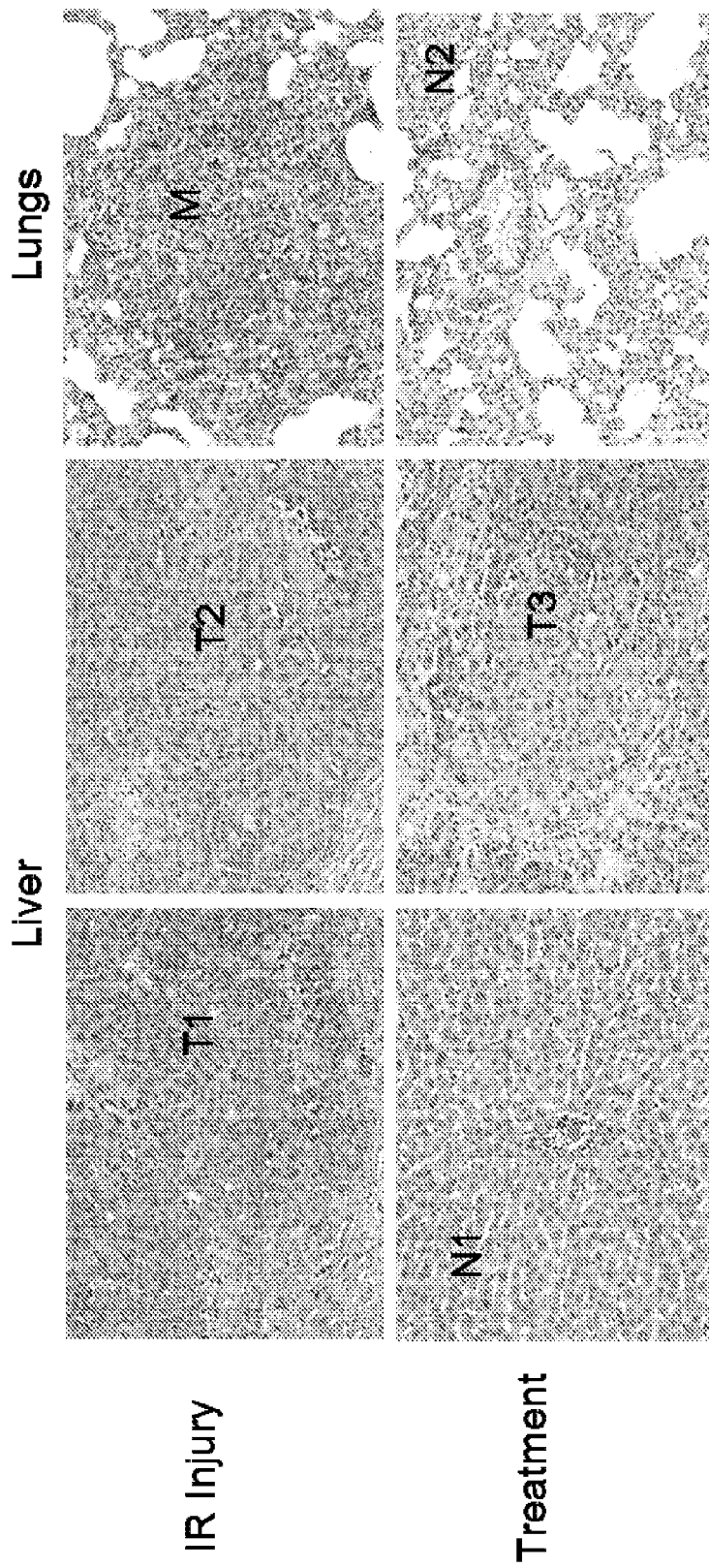
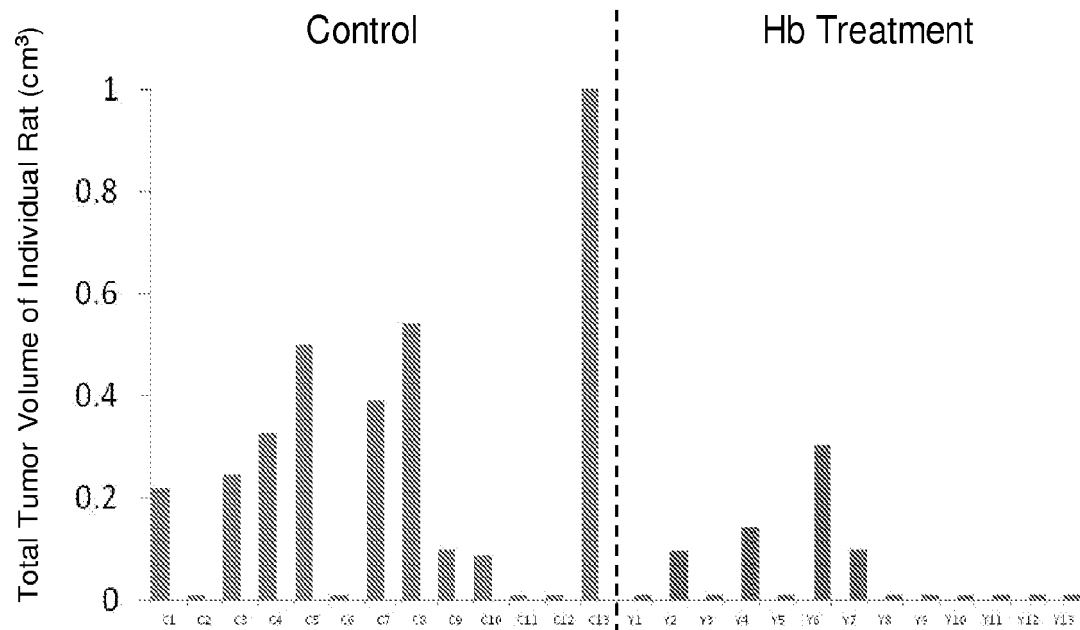
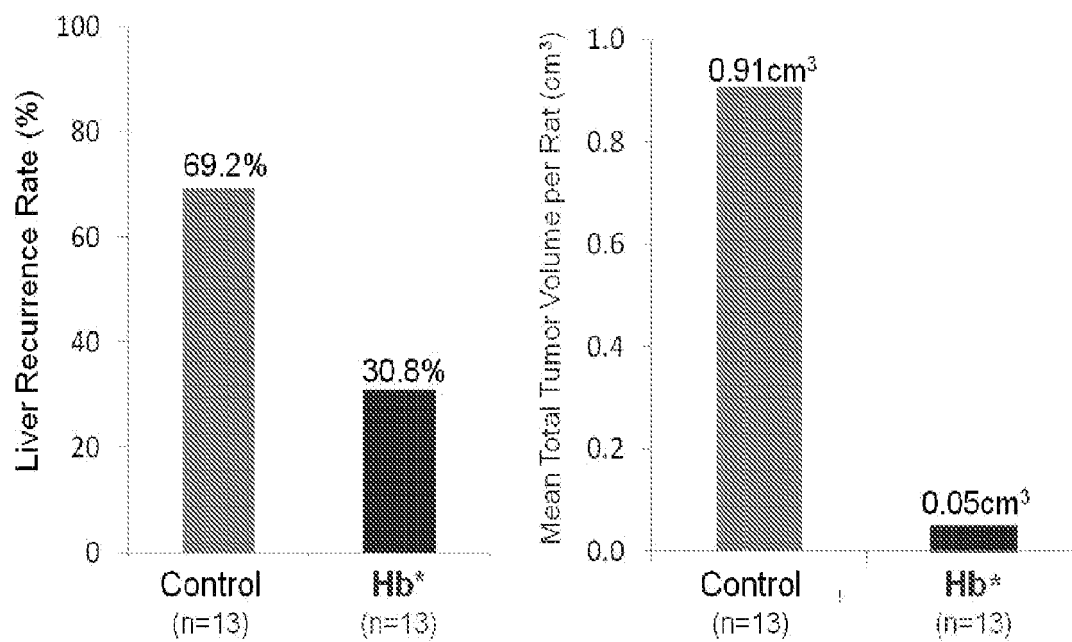


Fig. 19

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A**B**

*Hb= heat stable tetrameric hemoglobin

FIG. 20

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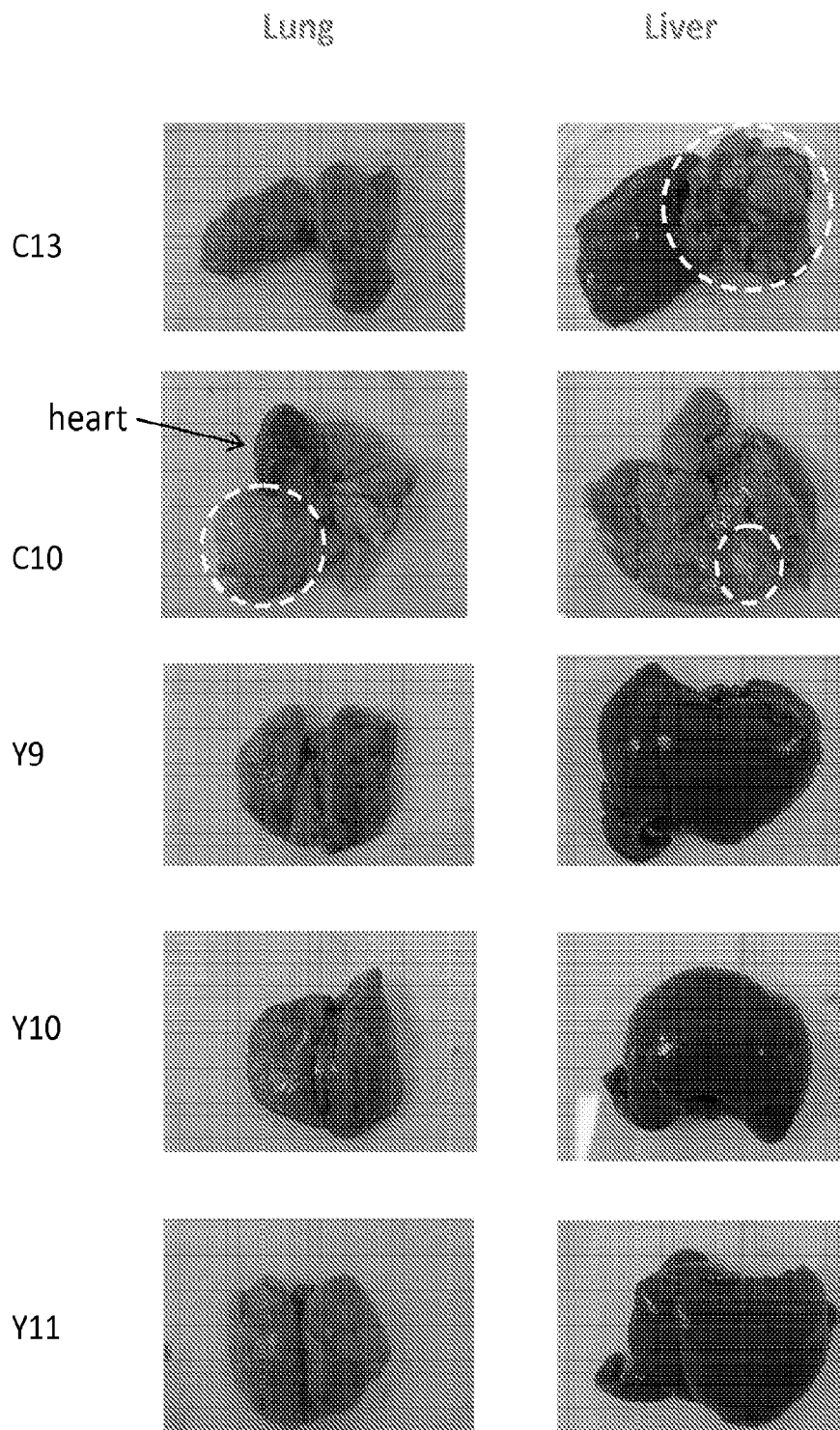


FIG. 21

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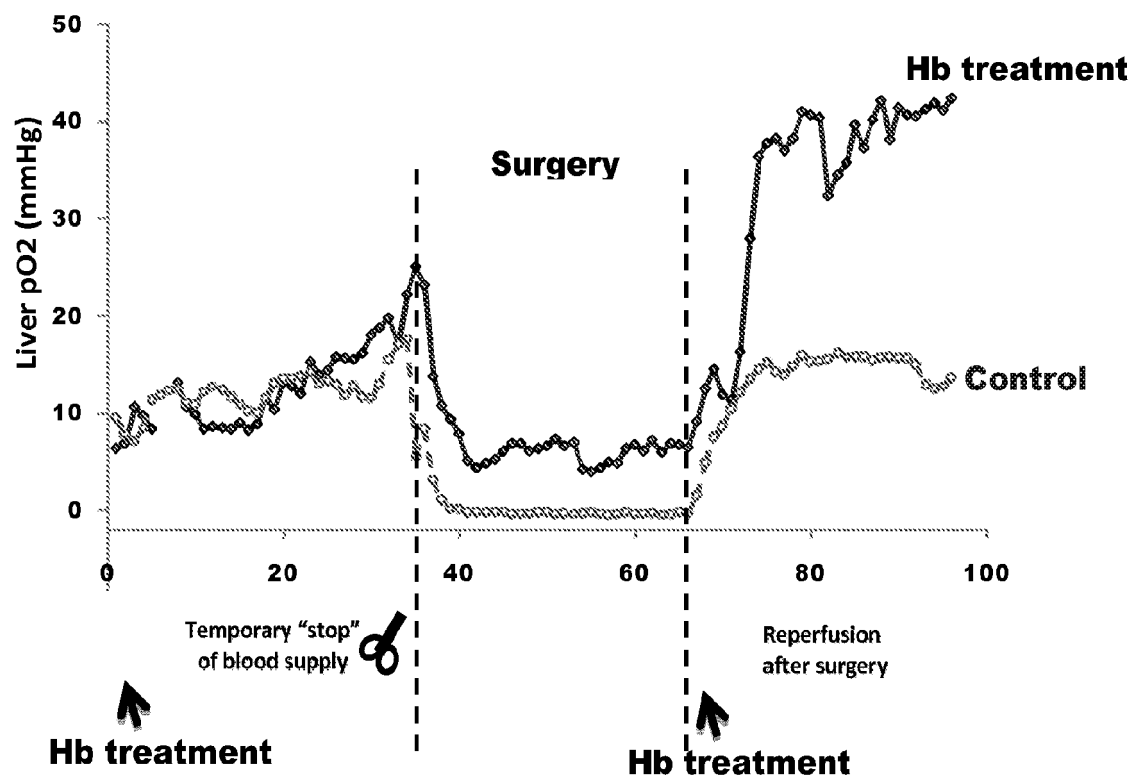


FIG. 22

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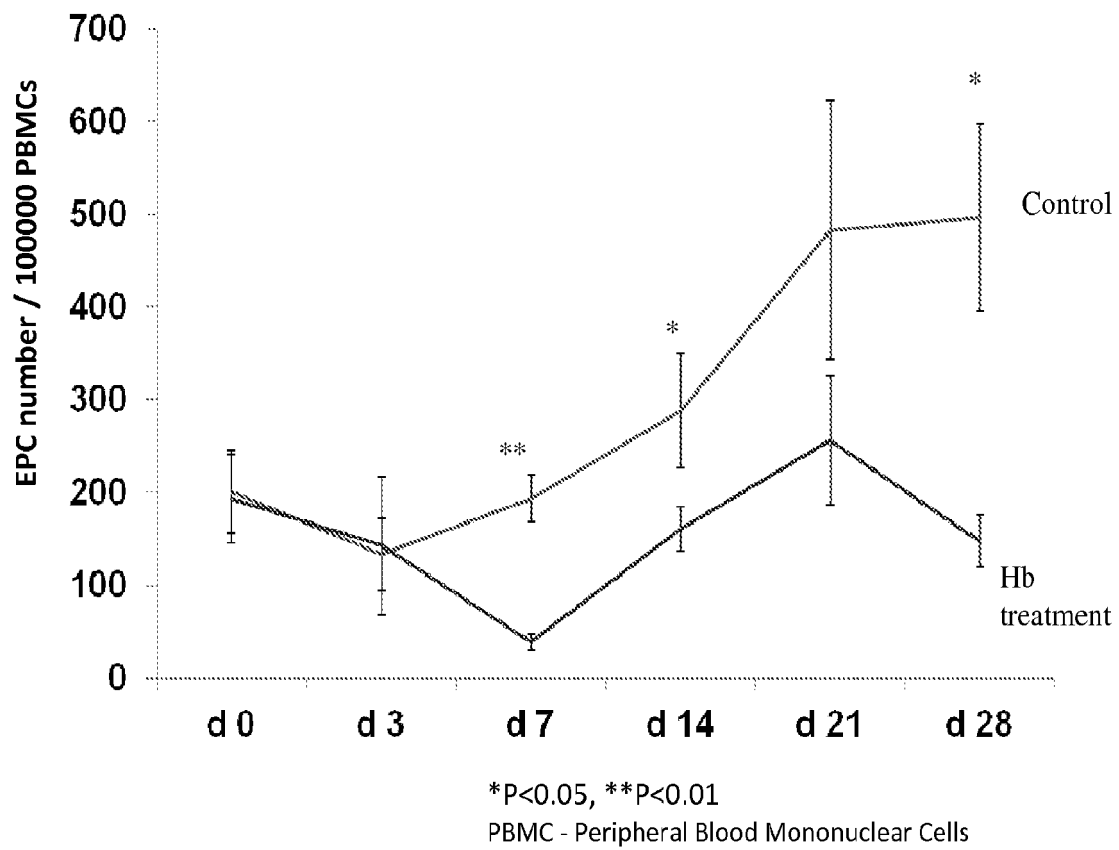


FIG. 23

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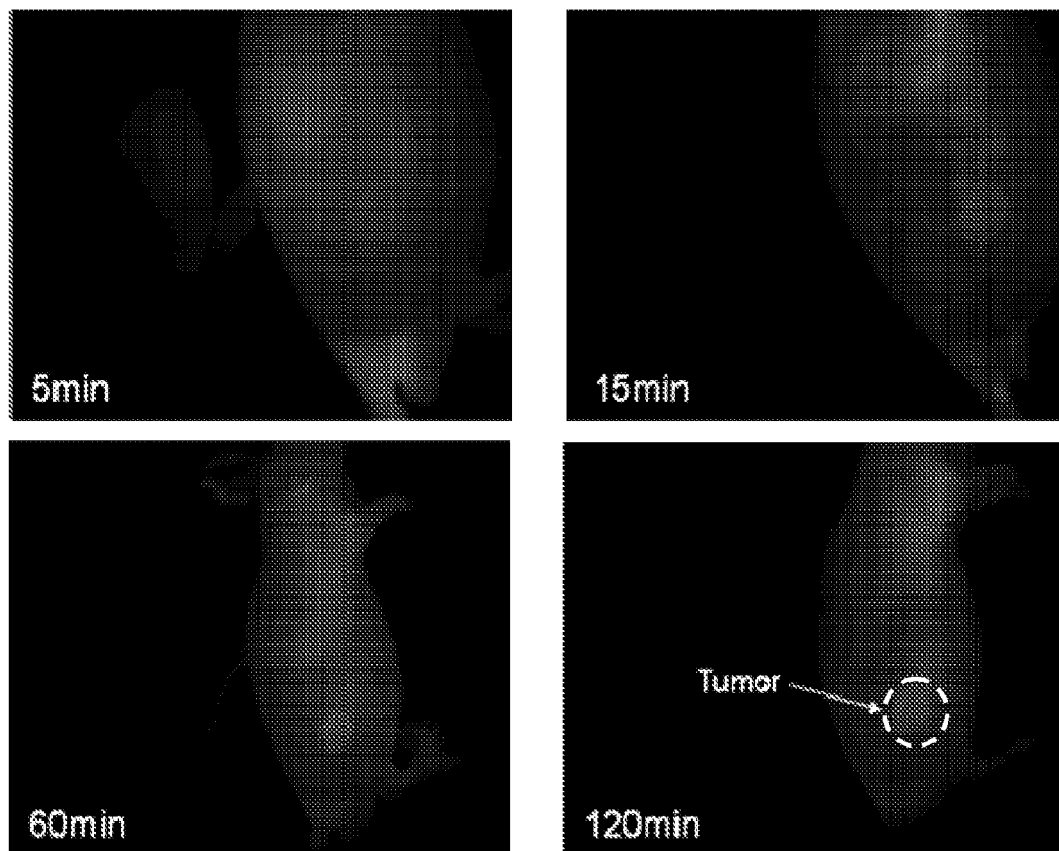
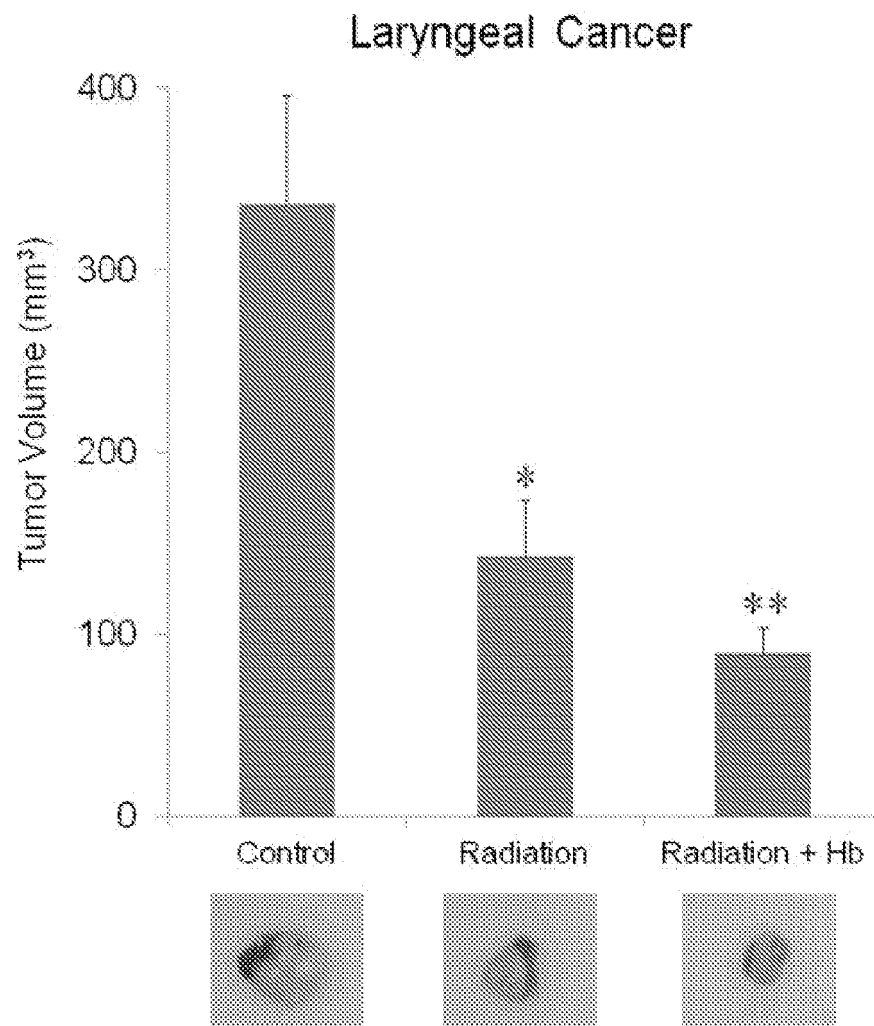
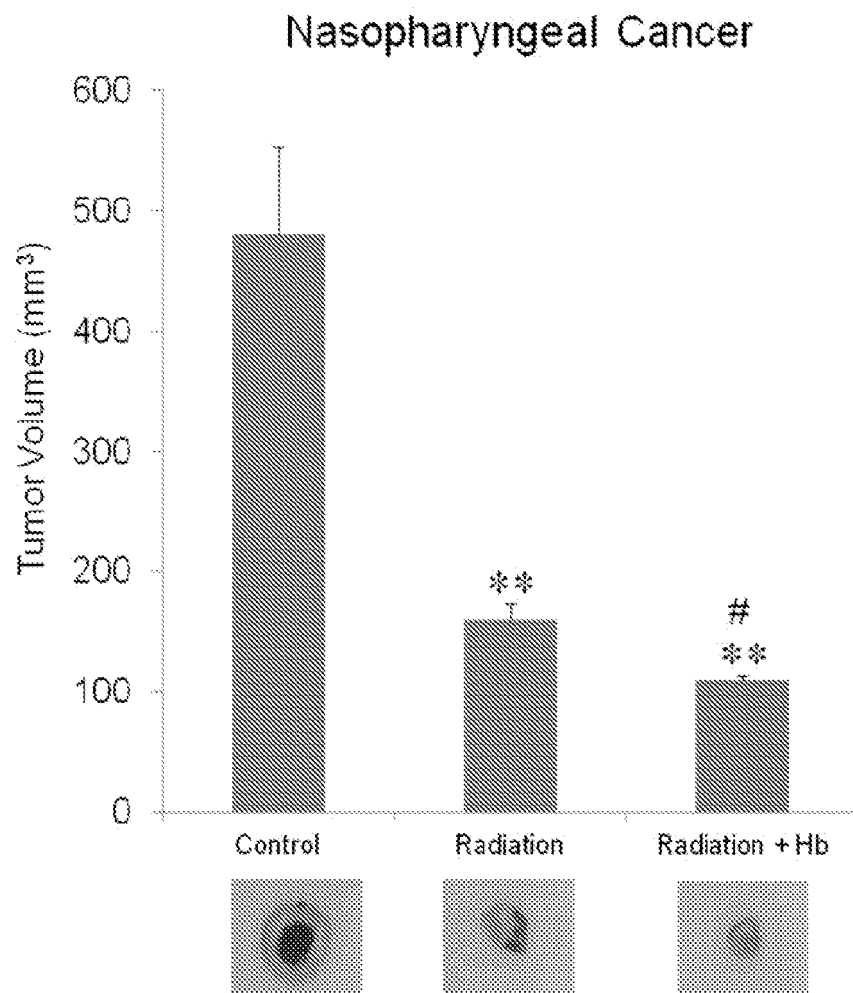


FIG. 24

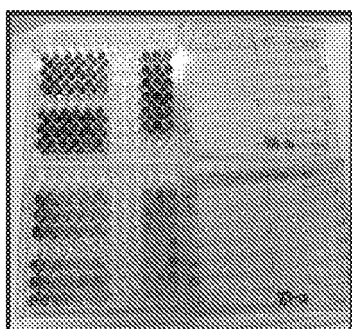
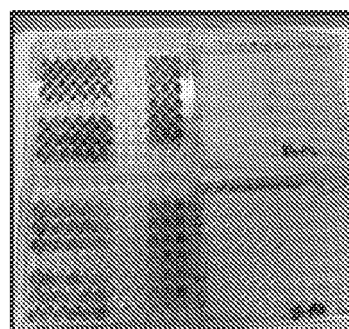
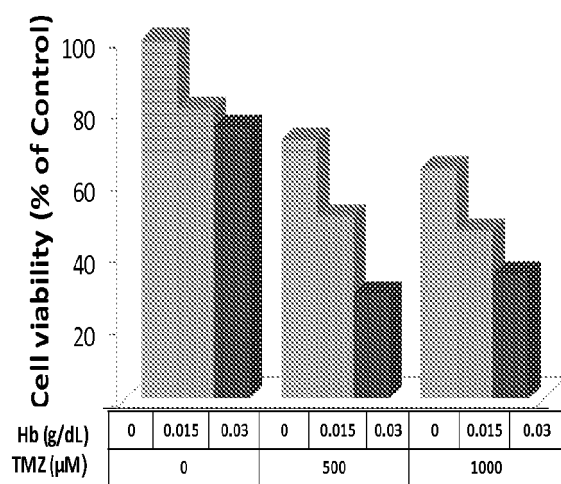
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**FIG. 25**

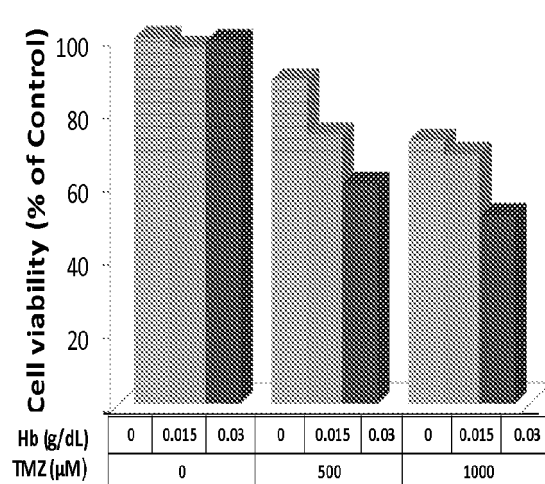
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**FIG. 26**

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A**D54-S****D54-R****B**

Hb



Hb

FIG. 27

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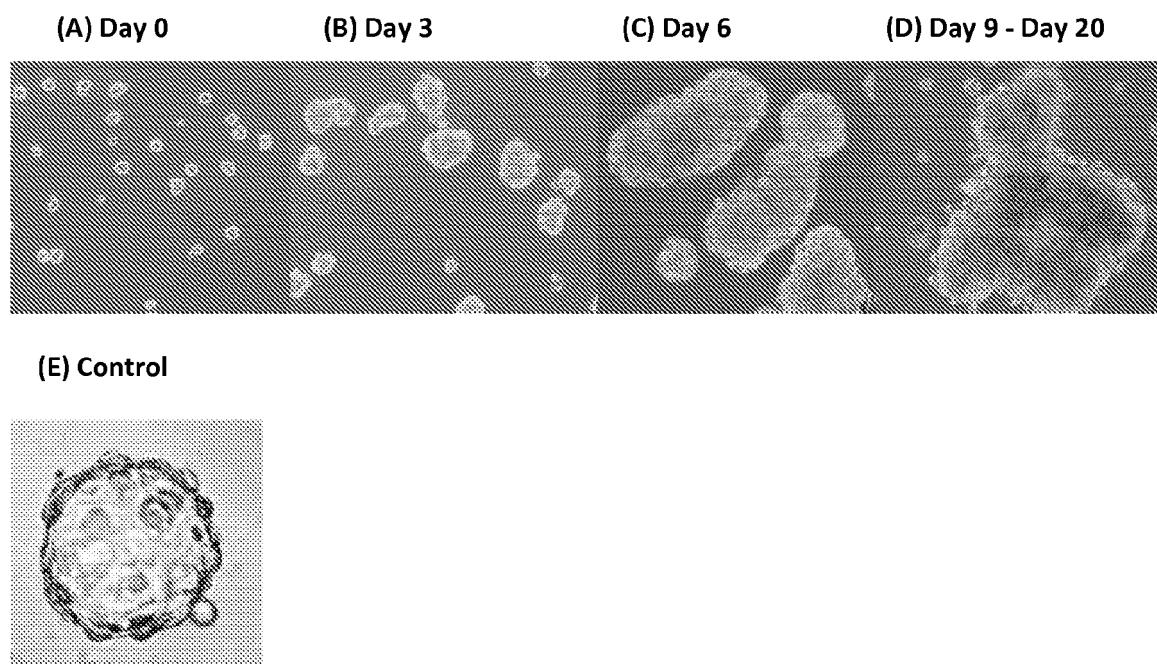


FIG. 28

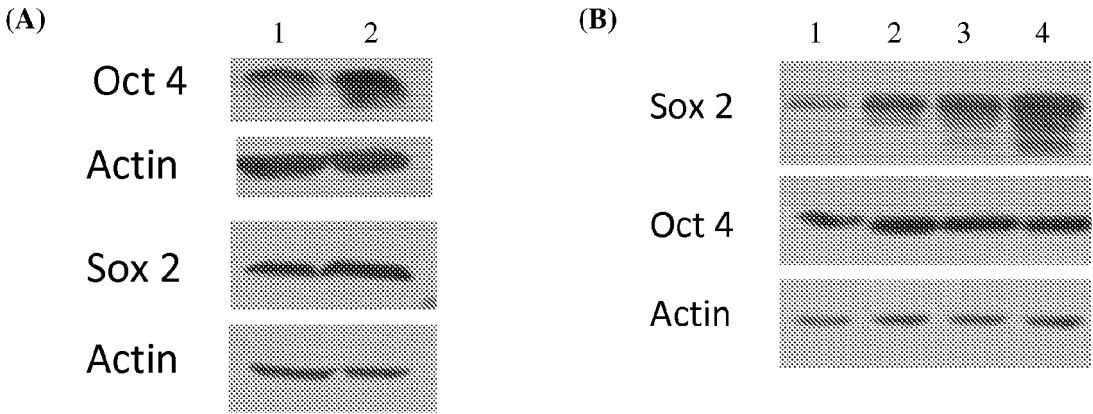


FIG. 29

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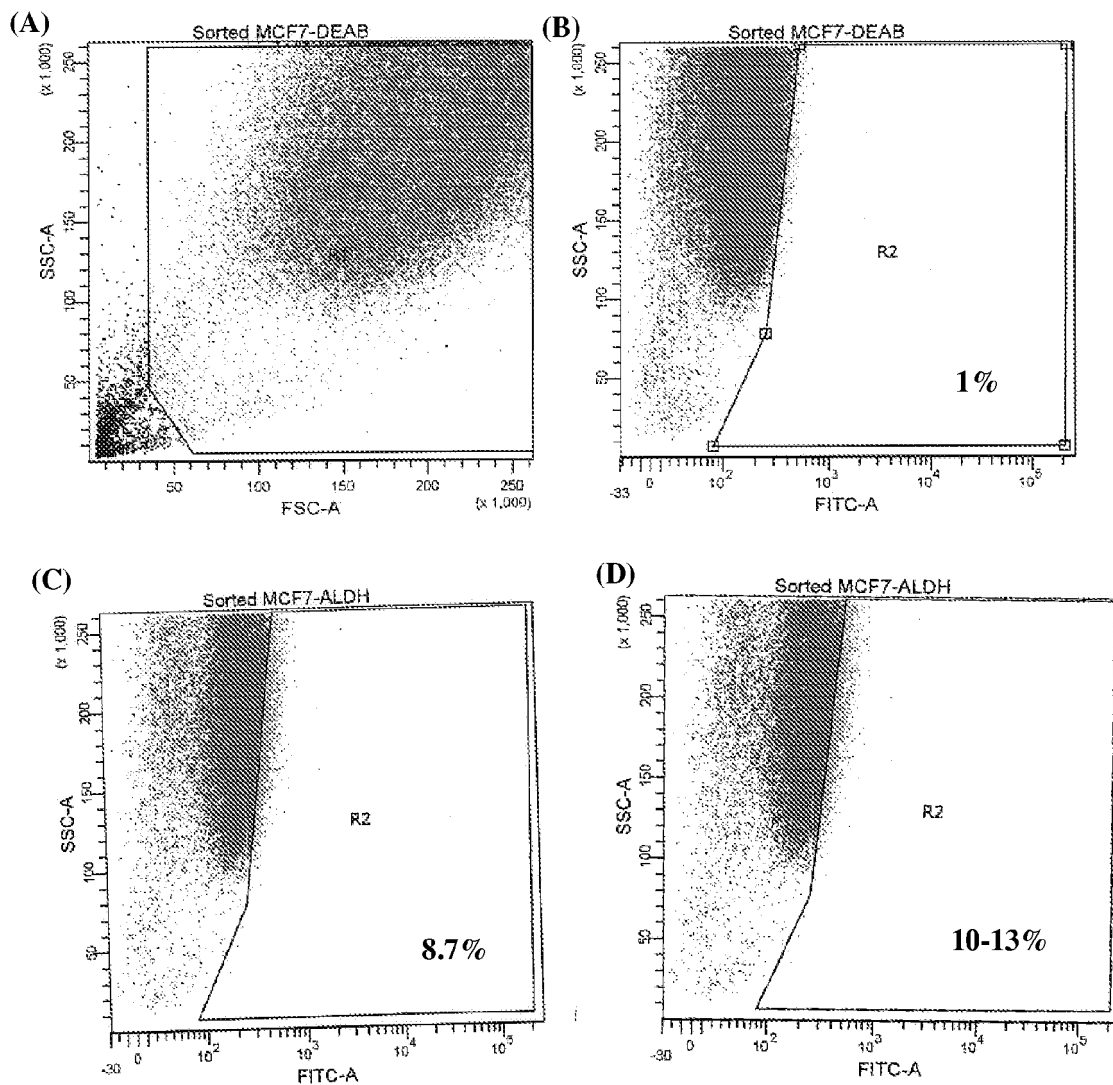


FIG. 30

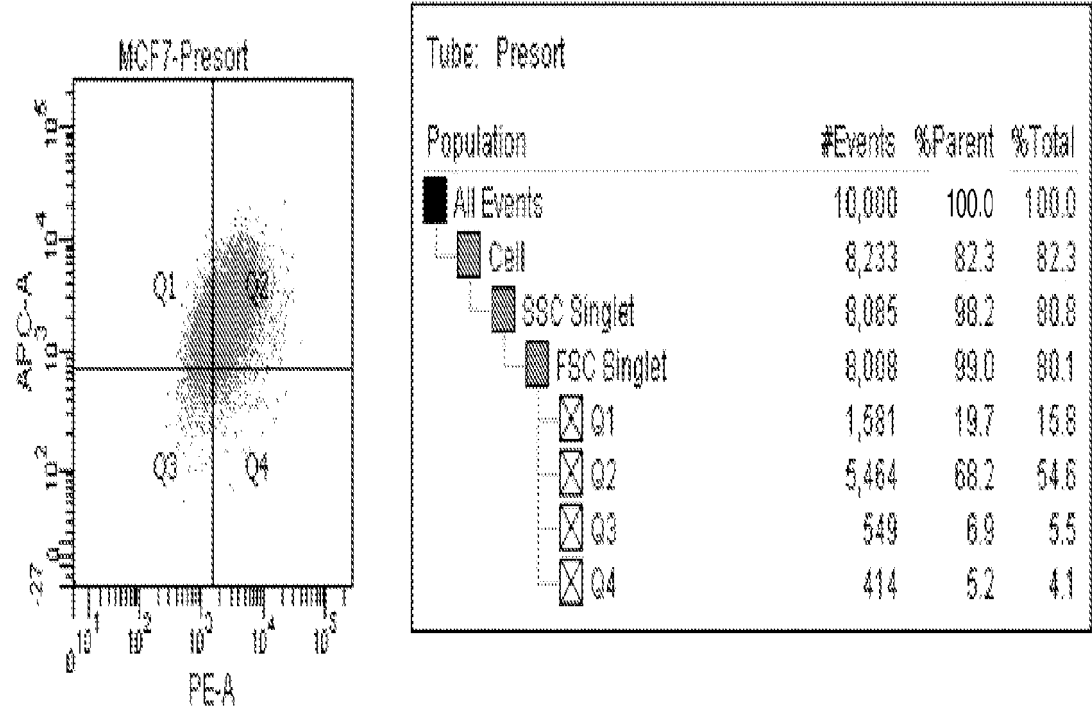


FIG. 31

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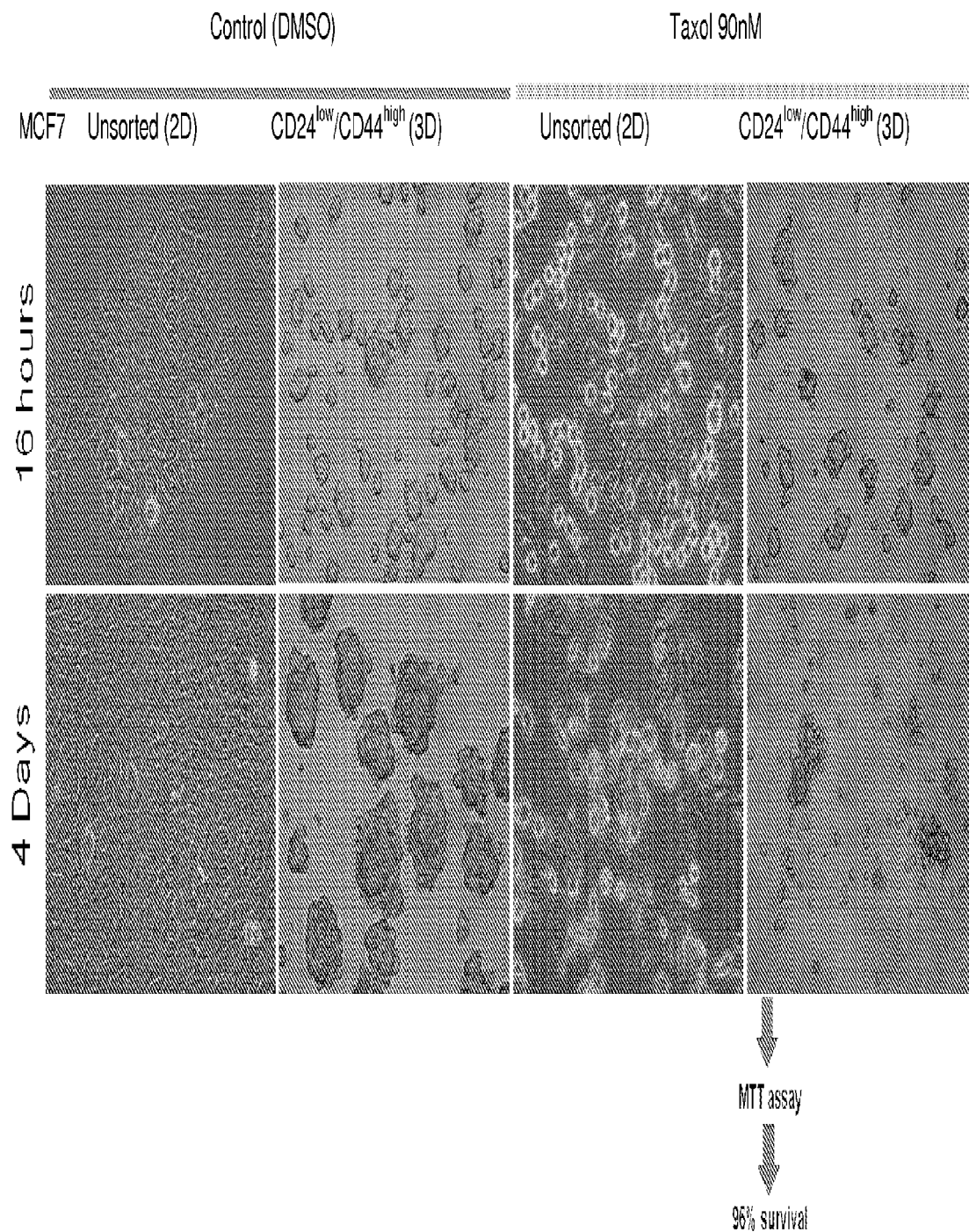


FIG. 32