Hb E

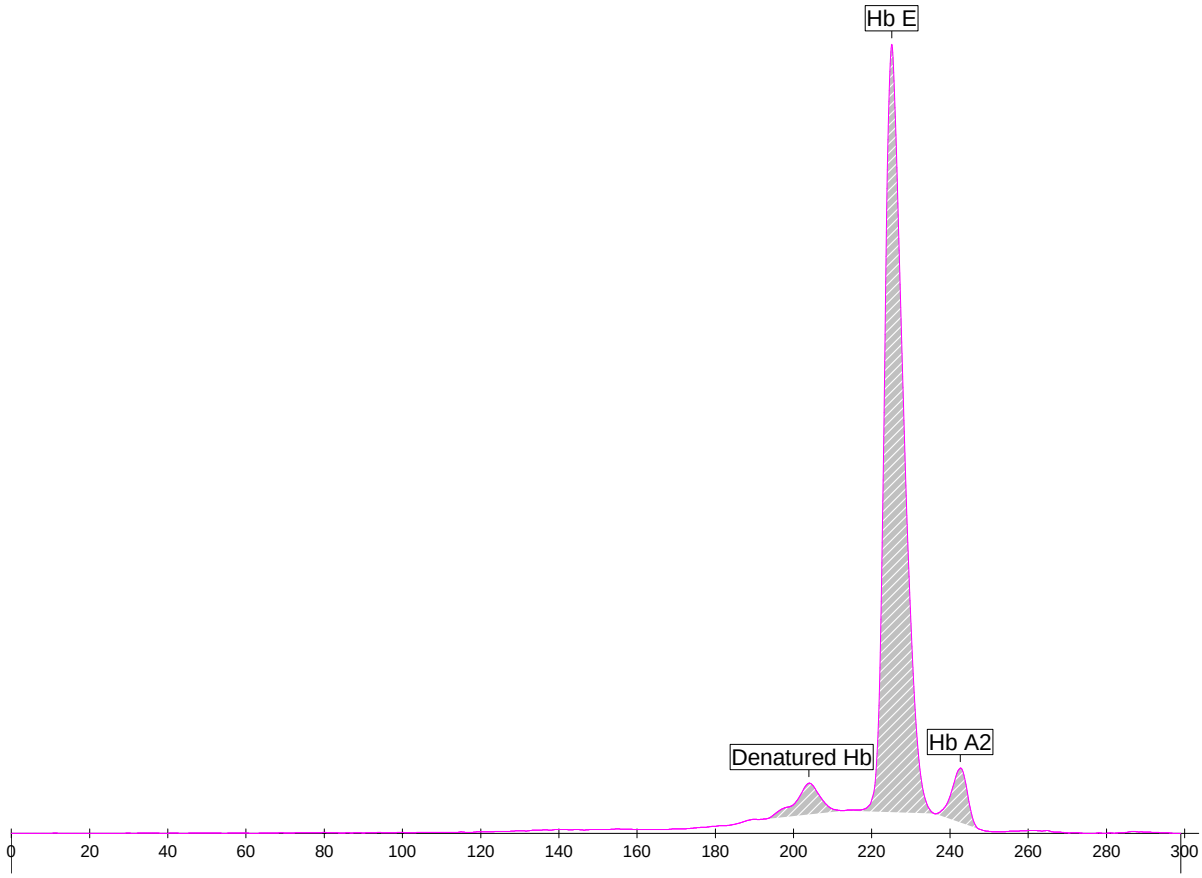
Globin chain(s) involved: **Beta**

Status: **Homozygous**

Migration in zone(s): **-**

Migration in position(s): **-**

Peak position may vary +/- 1



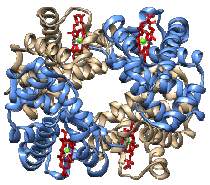
Capillary Electrophoresis

Fractions	Value %
Denatured Hb	**4,6**
Hb E	**90,2**
Hb A2	**5,2**

Comments on this profile: In case of absence of Hb A and/or Hb A2, analyse the sample mixed with Normal Hb A2 Control to display the zones (see Package Insert). Values of each fractions must be taken on the native sample.

Confirmed by amino acid or DNA sequencing

Profile generated with Phoresis Software release = or > 6.50



Hb E

Mutation data

Status:	Homozygous
Hb E	
Mutation	Beta 26(B8) Glu>Lys
Nomenclature	HBB:c.79G>A
In combination with:	
Mutation	
Nomenclature	

Comments:

Hematology

Hematological parameters	**Results**
RBC	
Hemoglobin	Low
Hematocrit	
MCV	Low

Hematological parameters	**Results**
MCH	Low
Blood smear	Thalassemic smear
Serum iron and ferritin	

Comments on hematology:	Microcytic hypochromic

Other information

Clinical context:	
Clinical presentation	Mild anemia symptoms
Genetic risk	Severe risk in combination with Hb S, Beta-thalassemia, Hb Lepore and other Beta-thalassemic hemoglobin variants
Advice	Partner and family analysis
About this variant:	
Stability	Midly unstable, sensitive to oxidative stress
Oxygen affinity	Normal
Found in	South East Asians and in populations along the Silk Road. May also occur in Middle East populations due to consanguinity

Comments:

References:

Kazazian HH Jr. et al., Am J Hum Genet. 1984 Jan;36(1):212-7.
Nakatsuji T. et al., Am J Hum Genet. 1986 Jun;38(6):981-3.
Indrak K., Ann Hematol. 1991 Jul;63(1):42-4.