

## Hemoglobin subunit alpha Monoclonal Antibody(Capture)

catalog number: AN001220P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

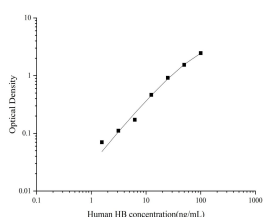
<b>Reactivity</b>	Human
<b>Immunogen</b>	Human HB Native Protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a
<b>Clone</b>	9H4
<b>Purification</b>	Protein A/G Purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

### Applications

### Recommended Dilution

<b>ELISA Capture</b>	2-8 µg/mL
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### Data



Sandwich ELISA-Human HB Native Protein standard curve. Background subtracted standard curve using Hemoglobin subunit alpha antibody(AN001220P) (Capture), Hemoglobin subunit alpha antibody(AN001230P) (Detector) in sandwich ELISA. The reference range value for Human HB Native Protein is 1.5625-100 ng/mL.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Involved in oxygen transport from the lung to the various peripheral tissues. Hemopressin acts as an antagonist peptide of the cannabinoid receptor CNR1. Hemopressin-binding efficiently blocks cannabinoid receptor CNR1 and subsequent signaling. Involved in oxygen transport from the lung to the various peripheral tissues. IVV-hemorphin-7 potentiates the activity of bradykinin, causing a decrease in blood pressure. Functions as an endogenous inhibitor of enkephalin-degrading enzymes such as DPP3, and as a selective antagonist of the P2RX3 receptor which is involved in pain signaling, these properties implicate it as a regulator of pain and inflammation.

### For Research Use Only