

Datasheet for ABIN7599001  
**anti-HBd antibody (AA 1-147)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	HBd
Binding Specificity:	AA 1-147
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBd antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-HBD Antibody Picoband®
Immunogen:	E.coli-derived human HBD recombinant protein (Position: M1-H147).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-HBD Antibody Picoband® (ABIN7599001). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	HBd
Alternative Name:	HBD ( <a href="#">HBd Products</a> )
Background:	<p>Synonyms: Hemoglobin subunit delta, Delta-globin, Hemoglobin delta chain, HBD,</p> <p>Tissue Specificity: Red blood cells.</p> <p>Background: Hemoglobin subunit delta is a protein that in humans is encoded by the HBD gene. The delta (HBD) and beta (HBB) genes are normally expressed in the adult: two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97 % of the total hemoglobin. Two alpha chains plus two delta chains constitute HbA-2, which with HbF comprises the remaining 3 % of adult hemoglobin. Five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5'-epsilon--Ggamma--Agamma--delta--beta-3'.</p>
Molecular Weight:	16 kDa
Gene ID:	3045
UniProt:	<a href="#">P02042</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Giardina B, Messana I, Scatena R, Castagnola M (1995). "The multiple functions of hemoglobin.". Crit. Rev. Biochem. Mol. Biol. 30 (3): 165-96. 2. Higgs DR, Vickers MA, Wilkie AO, Pretorius IM, Jarman AP, Weatherall DJ (May 1989). "A review of the molecular genetics of the human alpha-globin gene cluster". Blood. 73 (5): 1081-104.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C, -20 °C

## Handling

---

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.