



Everest Biotech Ltd  
Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD, UK

[www.everestbiotech.com](http://www.everestbiotech.com)

[info@everestbiotech.com](mailto:info@everestbiotech.com)  
[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tel +44 1869 238326  
Fax +44 1869 238327

**Research Use Only. Not  
for diagnostic or  
therapeutic use.**

Storage: Aliquot and store at  
-20°C. Minimize freezing and  
thawing.

## Product: EB05126 – Goat anti-HMHA1 / HA-1

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

### **Target Protein**

Principal Names: HA-1; HLA-HA1; KIAA0223; minor histocompatibility antigen HA-1; HMHA1

Official Gene Symbol: HMHA1

Accession Number(s): NP\_036424.2

Human Gene ID(s): 23526

To avoid confusion please note that this antibody is designed to recognise the whole protein as coded by NP\_036424.2 and won't recognise the peptide found eluted from HLA-A\*0201 molecules by den Haan et al (Science. 1998 Feb 13;279(5353):1054-7, PMID: 9461441)

### **Immunogen**

Peptide with sequence TLGSCRERQPEFV, from the C Terminus of the protein sequence according to NP\_036424.2

### **Purification**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution >1:32,000. Western Blot: Preliminary experiments gave an approx 65-70kDa band in Jurkat lysate at 1ug/ml. Please note that currently we cannot find an explanation in the literature for the band we observe given the predicted size of approx. 131kDa according to NP\_036424.2. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### **Species Reactivity**

Tested:

Expected from sequence similarity: Human

### **Background Reference**

den Haan JM, Meadows LM, Wang W, Pool J, Blokland E, Bishop TL, Reinhardus C, Shabanowitz J, Offringa R, Hunt DF, Engelhard VH, Goulmy E

The minor histocompatibility antigen HA-1: a diallelic gene with a single amino acid polymorphism.

Science. 1998 Feb 13;279(5353):1054-7.

PMID: 9461441

