

## Product datasheet

# Anti-Blood Group B Antigen antibody [HEB-29] ab2524

### 3 References

#### Overview

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<b>Product name</b>	Anti-Blood Group B Antigen antibody [HEB-29]
<b>Description</b>	Mouse monoclonal [HEB-29] to Blood Group B Antigen
<b>Host species</b>	Mouse
<b>Specificity</b>	This antibody recognizes human blood group B antigens. The specificity of the antibody HEB-29 was confirmed by comparison of specificity and reactivity to standard reagent using >5.000 samples of blood.
<b>Tested applications</b>	<b>Suitable for:</b> Agglutination, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Mixture of erythrocytes of blood group B and glycoprotein fraction isolated from the saliva of secretors with blood group B.

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: None Constituents: Tissue Culture Supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Purification notes</b>	Concentrated by ultrafiltration (100 kDa cut-off). Actual immunoglobulin concentration not determined.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HEB-29
<b>Myeloma</b>	unknown
<b>Isotype</b>	IgM
<b>Light chain type</b>	unknown

#### Applications

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Our [Abpromise guarantee](#) covers the use of **ab2524** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Agglutination		Use at an assay dependent dilution. The minimum titre is 1:128 with erythrocytes of blood group B.
IHC-P		Use at an assay dependent dilution.

## Target

### Relevance

Blood group antigens are generally defined as molecules formed by sequential addition of saccharides to the carbohydrate side chains of lipids and proteins detected on erythrocytes and certain epithelial cells. The A, B and H antigens are reported to undergo modulation during malignant cellular transformation. Blood group related antigens represent a group of carbohydrate determinants carried on both glycolipids and glycoproteins. They are usually mucin type, and are detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals. Sixteen genetically and biosynthetically distinct but inter related specificities belong to this group of antigens, including A, B, H, Lewis A, Lewis B, Lewis X, Lewis Y, and precursor type 1 chain antigens.

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