

### Anti-Basophils antibody [2D7] ab155577

★★★★★ [6 Abreviews](#) [6 References](#)

#### Overview

<b>Product name</b>	Anti-Basophils antibody [2D7]
<b>Description</b>	Mouse monoclonal [2D7] to Basophils
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, Flow Cyt, IHC-Fr, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human Basophils.
<b>Positive control</b>	Chronic myeloid leukaemia (basophilia). Negative control: CD203c negative cells (Basophil depleted cell fractions).
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<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: 0.02% Sodium azide Constituents: 99% PBS, 0.1% BSA
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2D7
<b>Isotype</b>	IgG1

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab155577 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
WB	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration. Fresh surgical tissues can be fixed in Carnoy's fluid for 24 h and transferred to absolute ethanol.
Flow Cyt	★★★★★ (1)	Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration. Fix in either 10% NBF or Carnoy's fluid for 15 minutes at RT.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration. Cytospin preparations should be fixed in methanol for 15 min, incubated in methanol containing 0.6% H <sub>2</sub> O <sub>2</sub> , for 30 min to block endogenous peroxidase.

## Target

### Relevance

Basophils are multifunctional haematopoietic cells that secrete a wide variety of proinflammatory agents upon activation such as histamine and cytokines. Moreover, basophils can induce IgE production by B cells. Under normal conditions basophils are primarily produced in the bone marrow, whereas mature basophils reside in the circulation and can enter tissues at sites of inflammation. Both basophils and mast cells have been implicated in the pathogenesis of allergic inflammation due to the abundant expression of high affinity receptors for IgE. The 2D7 antibody can be used as a sensitive and precise marker for human basophils and does not react with lymphocytes, monocytes, eosinophils, neutrophils or mast cells in immunohistochemistry. Moreover, the antibody is suitable for western blot analysis of the 2D7 antigen.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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