

## Product datasheet

# Anti-KLRG1 antibody [2F1] ab25054

### 3 References

#### Overview

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<b>Product name</b>	Anti-KLRG1 antibody [2F1]
<b>Description</b>	Syrian hamster monoclonal [2F1] to KLRG1
<b>Host species</b>	Syrian hamster
<b>Tested applications</b>	<b>Suitable for:</b> IP, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Tissue, cells or virus corresponding to Mouse KLRG1.
<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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.88% Sodium chloride, 0.12% Monobasic dihydrogen sodium phosphate
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	Purified from TCS
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2F1
<b>Isotype</b>	IgG

#### Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab25054 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
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <a href="#">ab18474</a> - Armenian Hamster monoclonal IgG, is suitable for use as an isotype control with this antibody.

## Target

<b>Function</b>	Plays an inhibitory role on natural killer (NK) cells and T-cell functions upon binding to their non-MHC ligands. May mediate missing self recognition by binding to a highly conserved site on classical cadherins, enabling it to monitor expression of E-cadherin/CDH1, N-cadherin/CDH2 and R-cadherin/CDH4 on target cells.
<b>Tissue specificity</b>	Expressed specifically on natural killer (NK) cells and T-cells, mainly CD8 T-cells.
<b>Sequence similarities</b>	Contains 1 C-type lectin domain.
<b>Domain</b>	Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. Upon phosphorylation of ITIM motif KLRG1 associates with the two phosphatases PTPN11 and INPP5D.
<b>Cellular localization</b>	Cell membrane.

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