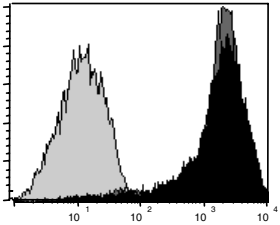


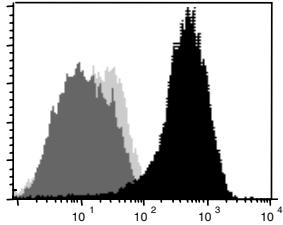
# BAMOMAB

## Anti-Human MICA Monoclonal Antibody AMO1

<b>Antigen:</b>	<b>Human MICA (MHC-class I-related chain A)</b>	
<b>Clone:</b>	AMO1, mouse IgG1	
<b>Catalog Number:</b>	AMO1-50	
<b>Specificity:</b>	binds: MICA*01, MICA*04, MICA*07, MICA*08 binds not: MICB*02 blocks: NKG2D binding to MICA	
<b>Epitope:</b>	in $\alpha 1\alpha 2$ superdomain of MICA independent of glycosylation	Human B cell line CIR transfected with vector (light grey), MICA*01 (black), or MICA*04 (dark grey), was stained with AMO1 and anti-mouse Ig-PE conjugate.
<b>Applications:</b>	Flow cytometry, ELISA	
<b>Size:</b>	50 $\mu$ g, 1.0 mg/ml, in 0.05 ml phosphate-buffered saline, pH 7.4 with 0.05% sodium azide ( <b>Caution:</b> Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing).	
<b>Usage:</b>	Since applications may vary, the reagent should be titrated to obtain optimal results. In general, for flow cytometry we recommend to use 10 $\mu$ g mAb/ml and for ELISA 1-10 $\mu$ g mAb/ml.	
<b>Purification:</b>	Protein A affinity chromatography	
<b>Storage:</b>	Store at 4°C. For long-term storage freezing at -80°C is recommended.	
<b>Description:</b>	MICA (MHC class I-related chain A) is a polymorphic, human MHC-encoded cell surface glycoprotein and ligand of the activating C-type lectin-like immunoreceptor NKG2D [1-5]. NKG2D engagement of MICA activates NK cells and costimulates CD8 T cells [3,6]. MICA is expressed on gastrointestinal epithelium and inducible by cell stress, viral and bacterial infection [2,6-8]. MICA is also expressed by malignant epithelial and haematopoietic cells, and MICA expression has been shown to enhance tumor rejection in vivo [9-12]. Tumor cells shed soluble MICA which is detectable in sera of patients with epithelial and haematopoietic malignancies and may counteract tumor immunosurveillance [10,12-14].	
<b>Conditions:</b>	<b>For research use only. Not for use in diagnostic or therapeutic procedures. BAMOMAB is not responsible for any patent infringements caused by the use of this product.</b>	
<b>Country of Origin:</b>	Germany	
<b>Literature:</b>	<ol style="list-style-type: none"><li>1. Bahram S et al. <i>Proc Natl Acad Sci USA</i> <b>91</b>, 6259-6263 (1994).</li><li>2. Groh V et al. <i>Proc Natl Acad Sci USA</i> <b>93</b>, 12445-12450 (1996).</li><li>3. Bauer S et al. <i>Science</i> <b>285</b>, 727-729 (1999).</li><li>4. Steinle A et al. <i>Immunogenetics</i> <b>53</b>, 279-287 (2001).</li><li>5. Li P et al. <i>Nat Immunol</i> <b>2</b>, 443-451 (2001).</li><li>6. Groh V et al. <i>Nat Immunol</i> <b>2</b>, 255-260 (2001).</li><li>7. Spies T <i>Proc Natl Acad Sci USA</i> <b>99</b>, 2584-2586 (2002).</li><li>8. Welte S et al. <i>Eur J Immunol</i> <b>33</b>, 194-203 (2003).</li><li>9. Groh V et al. <i>Proc Natl Acad Sci USA</i> <b>96</b>, 6879-6884 (1999).</li><li>10. Salih HR et al. <i>Blood</i> <b>102</b>, 1389-1396 (2003).</li><li>11. Friese MA et al. <i>Cancer Res</i> <b>63</b>, 8996-9006 (2003).</li><li>12. Wiemann K et al. <i>J Immunol</i> <b>175</b>, 720-729 (2005).</li><li>13. Salih HR et al. <i>J Immunol</i> <b>169</b>, 4098-4102 (2002).</li><li>14. Groh V et al. <i>Nature</i> <b>419</b>, 734-738 (2002).</li></ol>	

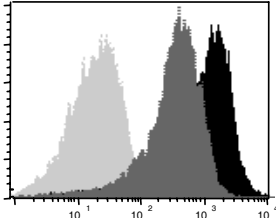
# BAMOMAB

## Anti-Human MICB Monoclonal Antibody BMO2

<b>Antigen:</b>	<b>Human MICB (MHC class I-related chain B)</b>	
<b>Clone:</b>	BMO2, mouse IgG2a	
<b>Catalog Number:</b>	BMO2-50	
<b>Specificity:</b>	binds: MICB*02 binds not: MICA*01, MICA*04 blocks: NKG2D binding to MICB	
<b>Epitope:</b>	in $\alpha 2$ domain of MICB (ref. 14)	
<b>Applications:</b>	Flow cytometry, ELISA	
<b>Size:</b>	50 $\mu$ g, 1.0 mg/ml, in 0.05 ml phosphate-buffered saline, pH 7.4 with 0.05% sodium azide ( <b>Caution:</b> Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing).	
<b>Usage:</b>	Since applications may vary, the reagent should be titrated to obtain optimal results. In general, for flow cytometry we recommend to use 10 $\mu$ g mAb/ml and for ELISA 1-10 $\mu$ g mAb/ml.	
<b>Purification:</b>	Protein A affinity chromatography	
<b>Storage:</b>	Store at 4°C. For long-term storage freezing at -80°C is recommended.	
<b>Description:</b>	MICA and MICB (MHC class I-related chain A) are polymorphic, human MHC-encoded cell surface glycoproteins and ligands of the activating C-type lectin-like immunoreceptor NKG2D [1-5]. NKG2D engagement of MICA/B activates NK cells and costimulates CD8 T cells [3,6]. MICB like MICA is inducible by cell stress, viral and bacterial infection [6-8]. MICA and MICB are also expressed by malignant epithelial and haematopoietic cells [9, 10]. Tumor cells shed soluble MICA and MICB which are detectable in sera of patients with epithelial and haematopoietic malignancies and may counteract tumor immunosurveillance [10-13]. HCMV-encoded UL16 glykoprotein retains MICB intracellularly [8,14].	
<b>Conditions:</b>	<b>For research use only. Not for use in diagnostic or therapeutic procedures. BAMOMAB is not responsible for any patent infringements caused by the use of this product.</b>	
<b>Country of Origin:</b>	Germany	
<b>Literature:</b>	<ol style="list-style-type: none"><li>1. Bahram S et al. <i>Proc Natl Acad Sci USA</i> <b>91</b>, 6259-6263 (1994).</li><li>2. Groh V et al. <i>Proc Natl Acad Sci USA</i> <b>93</b>, 12445-12450 (1996).</li><li>3. Bauer S et al. <i>Science</i> <b>285</b>, 727-729 (1999).</li><li>4. Steinle A et al. <i>Immunogenetics</i> <b>53</b>, 279-287 (2001).</li><li>5. Li P et al. <i>Nat Immunol</i> <b>2</b>, 443-451 (2001).</li><li>6. Groh V et al. <i>Nat Immunol</i> <b>2</b>, 255-260 (2001).</li><li>7. Spies T <i>Proc Natl Acad Sci USA</i> <b>99</b>, 2584-2586 (2002).</li><li>8. Welte S et al. <i>Eur J Immunol</i> <b>33</b>, 194-203 (2003).</li><li>9. Groh V et al. <i>Proc Natl Acad Sci USA</i> <b>96</b>, 6879-6884 (1999).</li><li>10. Salih HR et al. <i>Blood</i> <b>102</b>, 1389-1396 (2003).</li><li>11. Salih HR et al. <i>J Immunol</i> <b>169</b>, 4098-4102 (2002).</li><li>12. Groh V et al. <i>Nature</i> <b>419</b>, 734-738 (2002).</li><li>13. Salih HR et al. <i>Hum Immunol</i> <b>67</b>, 188-195 (2006).</li><li>14. Spreu J et al. <i>J Immunol</i> <b>177</b>, 3143-3149 (2006).</li></ol>	

# BAMOMAB

## Anti-Human MICA/B Monoclonal Antibody BAMO1

<b>Antigen:</b>	Human MICA and MICB	
<b>Clone:</b>	BAMO1, mouse IgG1	
<b>Catalog Number:</b>	BAMO1-50	
<b>Specificity:</b>	binds: MICA*01, MICA*04, MICA*07, MICA*08 MICB*02	
<b>Epitope:</b>	in $\alpha 1\alpha 2$ superdomain of MICA/B linear epitope independent of glycosylation	
<b>Applications:</b>	Flow cytometry, ELISA, Immunoblot	
<b>Size:</b>	50 $\mu$ g, 1.0 mg/ml, in 0.05 ml phosphate-buffered saline, pH 7.4 with 0.05% sodium azide ( <b>Caution:</b> Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing).	
<b>Usage:</b>	For immunoblotting we recommend a final dilution of 1 $\mu$ g BAMO1/ml. In general, for flow cytometry we recommend a final dilution of 10 $\mu$ g mAb/ml and for ELISA 1-10 $\mu$ g mAb/ml.	
<b>Purification:</b>	Protein A affinity chromatography	
<b>Storage:</b>	Store at 4°C. For long-term storage freezing at -80°C is recommended.	
<b>Description:</b>	MICA and MICB (MHC class I-related chain A) are polymorphic, human MHC-encoded cell surface glycoproteins and ligands of the activating C-type lectin-like immunoreceptor NKG2D [1-5]. NKG2D engagement of MICA/B activates NK cells and costimulates CD8 T cells [3,6]. MICA is expressed on gastrointestinal epithelium and inducible by cell stress, viral and bacterial infection [2,6-8]. MICA and MICB are also expressed by malignant epithelial and haematopoietic cells, and MICA expression has been shown to enhance tumor rejection in vivo [9-12]. Tumor cells shed soluble MICA and MICB which are detectable in sera of patients with epithelial and haematopoietic malignancies and may counteract tumor immunosurveillance [10,12-14].	
<b>Conditions:</b>	<b>For research use only. Not for use in diagnostic or therapeutic procedures. BAMOMAB is not responsible for any patent infringements caused by the use of this product.</b>	
<b>Country of Origin:</b>	Germany	
<b>Literature:</b>	<ol style="list-style-type: none"><li>1. Bahram S et al. <i>Proc Natl Acad Sci USA</i> <b>91</b>, 6259-6263 (1994).</li><li>2. Groh V et al. <i>Proc Natl Acad Sci USA</i> <b>93</b>, 12445-12450 (1996).</li><li>3. Bauer S et al. <i>Science</i> <b>285</b>, 727-729 (1999).</li><li>4. Steinle A et al. <i>Immunogenetics</i> <b>53</b>, 279-287 (2001).</li><li>5. Li P et al. <i>Nat Immunol</i> <b>2</b>, 443-451 (2001).</li><li>6. Groh V et al. <i>Nat Immunol</i> <b>2</b>, 255-260 (2001).</li><li>7. Spies T <i>Proc Natl Acad Sci USA</i> <b>99</b>, 2584-2586 (2002).</li><li>8. Welte S et al. <i>Eur J Immunol</i> <b>33</b>, 194-203 (2003).</li><li>9. Groh V et al. <i>Proc Natl Acad Sci USA</i> <b>96</b>, 6879-6884 (1999).</li><li>10. Salih HR et al. <i>Blood</i> <b>102</b>, 1389-1396 (2003).</li><li>11. Friese MA et al. <i>Cancer Res</i> <b>63</b>, 8996-9006 (2003).</li><li>12. Wiemann K et al. <i>J Immunol</i> <b>175</b>, 720-729 (2005).</li><li>13. Salih HR et al. <i>J Immunol</i> <b>169</b>, 4098-4102 (2002).</li><li>14. Groh V et al. <i>Nature</i> <b>419</b>, 734-738 (2002).</li></ol>	