

# Product Datasheet

## Integrin beta 2/CD18 Antibody (MEM-148) - BSA Free NB500-480

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NB500-480****Integrin beta 2/CD18 Antibody (MEM-148) - BSA Free**

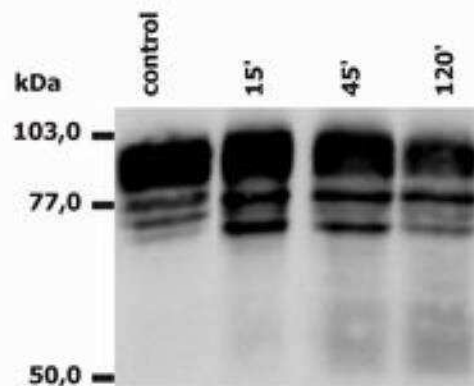
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	MEM-148
<b>Preservative</b>	15mM Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Phosphate buffered saline (PBS), pH 7.4
<b>Target Molecular Weight</b>	95 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Integrin beta 2/CD18 Antibody (MEM-148) - BSA Free (NB500-480) is a monoclonal antibody validated for use in WB, Flow and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3689
<b>Gene Symbol</b>	ITGB2
<b>Species</b>	Human, Porcine (Negative)
<b>Specificity/Sensitivity</b>	Recognizes the epitope exposed on free human CD18 chains unassociated with CD11 as well as on high-affinity state of LFA-1.
<b>Immunogen</b>	Human tissue / cell preparation, Peripheral blood mononuclear cells (NM_000211.3).

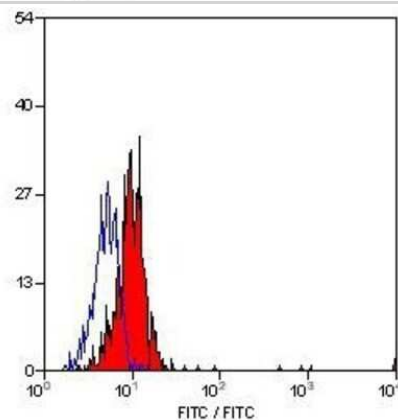
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunoprecipitation, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:1000, Flow Cytometry 1-5 ug/ml, Immunoprecipitation 1:50, CyTOF-ready
<b>Application Notes</b>	For Flow Cytometry: The antibody is excellent marker of activated myeloid cells. Functional: The antibody induces homotypic cell aggregation and high-affinity LFA-1 conformation in resting leukocytes. WB: Use under non-reducing conditions. Purity is > 95% (by SDS-PAGE). This antibody is CyTOF ready.

## Images

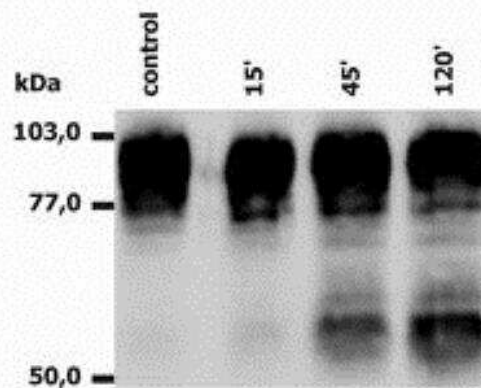
Western Blot: Integrin beta 2/CD18 Antibody (MEM-148) [NB500-480] - Fig. 1. Western Blotting analysis of PMA-activated monocytes. MEM-148 recognizes the lower 65 to 70 kDa zone (activation marker) as well as the upper 78 to 96 kDa zone (CD18).



Flow Cytometry: Integrin beta 2/CD18 Antibody (MEM-148) [NB500-480] - Analysis using the Biotin conjugate of NB500-480. Staining of human peripheral blood monocytes.



Western Blot: Integrin beta 2/CD18 Antibody (MEM-148) [NB500-480] - Fig. 1. Western Blotting analysis of PMA-activated neutrophils (Fig. 1A) and monocytes (Fig. 1B), using anti-human CD18 (MEM-148). The antibody MEM-148 recognizes the lower 65 to 70 kDa zone (activation marker) as well as the upper 78 to 96 kDa zone (CD18).





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### **Products Related to NB500-480**

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NBL1-12072	Integrin beta 2/CD18 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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