

# 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

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-148
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	95 kDa

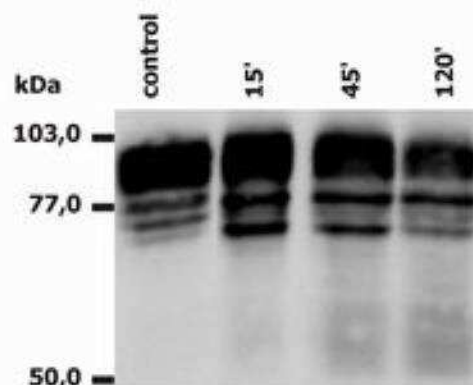
Product Description	
Host	Mouse
Gene ID	3689
Gene Symbol	ITGB2
Species	Human, Porcine (Negative)
Specificity/Sensitivity	Recognizes the epitope exposed on free human CD18 chains unassociated with CD11 as well as on high-affinity state of LFA-1.
Immunogen	Human tissue / cell preparation, Peripheral blood mononuclear cells (NM_000211.3).

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1-5 ug/ml, Immunoprecipitation 1:50, CyTOF-ready
Application Notes	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.

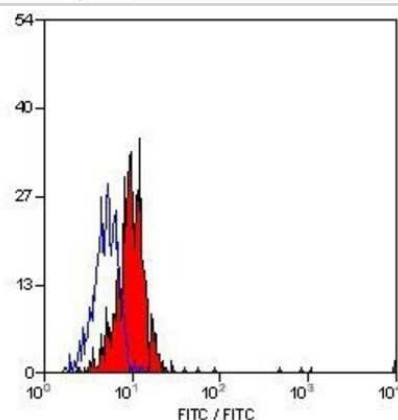


## Images

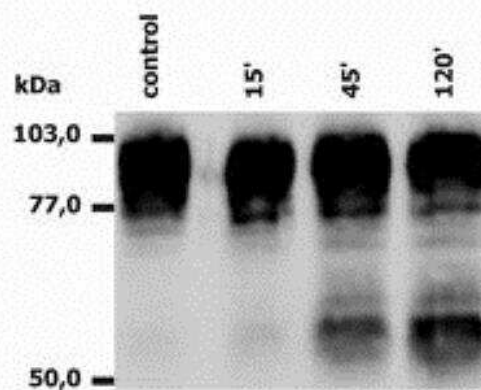
Western Blot: Integrin beta 2/CD18 Antibody (MEM-148) [NB500-480] - Fig. 1. Western Blotting analysis of PMA-activated monocytes. MEM-148 recognizes the lower 65 to 70 kDa zone (activation marker) as well as the upper 78 to 96 kDa zone (CD18).



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**

NBL1-12072	Integrin beta 2/CD18 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

### **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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