

## Product Datasheet

### GRP78 Antibody (PerCP) (orb181923)

<b>Catalog Number</b>	orb181923
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody against GRP78, conjugated to PerCP.
<b>Target</b>	GRP78
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG1 Kappa
<b>Conjugation</b>	PerCP
<b>Reactivity</b>	Human, Mouse, Rat
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	95.46mM Phosphate, 2.48mM MES and 2mM EDTA
<b>Purification</b>	Protein G Purified
<b>Immunogen</b>	Full-length recombinant rat GRP78
<b>UniProt ID</b>	<b>P06761</b>
<b>MW</b>	78kDa
<b>Tested applications</b>	ELISA, ICC, IF, WB
<b>Dilution range</b>	WB (1:1000), ICC/IF (1:100)

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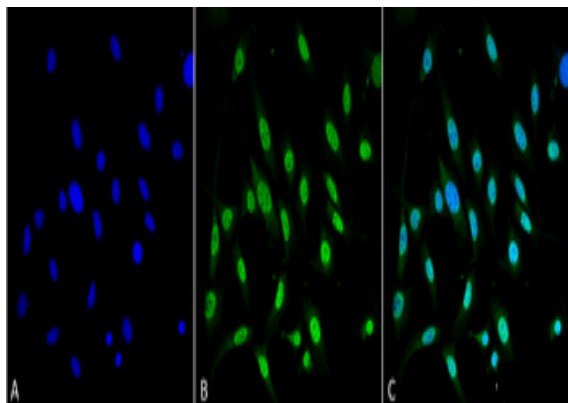
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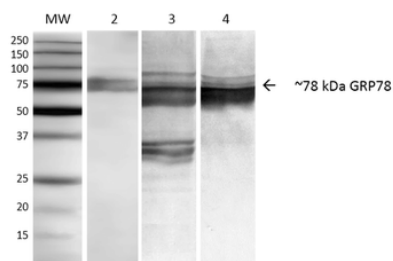
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<b>Application notes</b>	1 µg/ml was sufficient for detection of GRP78 in 20 µg of HEK-293 lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Specificity</b>	Detects ~78kDa.
<b>Clone Number</b>	3C5-1A4
<b>Storage</b>	Conjugated antibodies should be stored according to the product label
<b>Note</b>	For research use only
<b>Entrez</b>	<b>25617</b>
<b>NCBI</b>	<b>NP_037215.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3C5-1A4. Tissue: Fibroblast cell line (NIH 3T3). Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: DAPI (blue) nuclear stain at 1:5000 for 5 min RT. Localization: Nucleus. Magnification: 60X.



Western Blot analysis of Human, Mouse, Rat NIH3T3, Rat Brain, and HEK-293 cell lysates showing detection of ~78 kDa GRP78 protein using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3C5-1A4. Lane 1: MW ladder. Lane 2: Mouse NIH3T3. Lane 3: Rat Brain. Lane 4: Human HEK-293. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: HRP Goat Anti-Mouse at 1:50 for 1 hour at RT. Color Development: TMB solution for 5 min at RT. Predicted/Observed Size: ~78 kDa.

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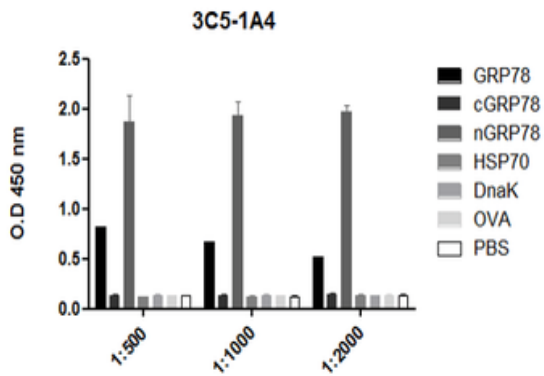
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ELISA analysis using Mouse Anti-GRP78 Monoclonal Antibody, Clone 3C5-1A4. Primary Antibody: Mouse Anti-GRP78 Monoclonal Antibody.

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