

# AB-NN328-1

## SOD (EC) Antibody

Pan-specific monoclonal antibody (4GG11G6) for monitoring the expression of human SOD (EC)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Extracellular superoxide dismutase [Cu-Zn] (SOD (EC))
<b>Alias:</b>	EC SOD, EC-SOD, Extracellular superoxide dismutase [Cu Zn], Extracellular superoxide dismutase [Cu-Zn], Extracellular superoxide dismutase, Extracellular superoxide dismutase precursor, MGC20077, SOD 3, SOD3, SODE_HUMAN, Superoxide dismutase 3 extracellular
<b>UniProt ID:</b>	P08294 - Human
<b>Human Predicted Mass (KDa):</b>	25.851 (240 AA; P08294-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	35

### Immunogen

<b>Antibody Immunogen Source:</b>	Human extracellular SOD purified from aortas
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	34 IgG1Kappa
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC   ELISA
<b>Antibody Dilution Recommended:</b>	WB (1:1000), IHC (1:100), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-167 was sufficient for detection of EC-SOD in 20 µg of human cartilage lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects an extracellular SOD ~35 kDa protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

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