

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MESDC2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant mouse MESDC2 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 513802
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MESDC2 Ala34-Leu234 Accession # Q14696
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Mesoderm development candidate gene 2 (MESDC2), also known as Boca in *Drosophila*, is a 22 kDa protein that is required for formation of the primitive streak and mesoderm during embryogenesis. MESDC2 binds to the Wnt co-receptors LRP5 and LRP6 in the endoplasmic reticulum and is required for their proper folding and cell surface expression. Within aa 34-234, human MESDC2 shares 87% aa sequence identity with mouse and rat MESDC2, respectively.

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