

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human AG-3 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human AG-2 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 774855
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human AG-3 Ile22-Leu166 Accession # Q8TD06
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.
Immunohistochemistry	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

AG-3 (Anterior gradient protein 3; also known as AGR3 and BCMP11) is a 17 kDa (predicted) member of the AGR family of proteins. It is expressed by intestinal epithelial and breast cancer cells. AG-3 is presumably secreted and binds to both α -dystroglycan and C4.4a/LYPD3. Mature human AG-3 is 145 amino acids (aa) in length (aa 22-166). Over aa 22-166, human AG-3 shares 92% amino acid sequence identity with mouse AG-3.

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