Datasheet: MCA6224GA

Description:	MOUSE ANTI HUMAN CXCL7
Specificity:	CXCL7
Other names:	Platelet basic protein
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C11-5G10
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	*E. coli* derived recombinant human full length CXCL7 (Ala59-Asp128)
External Database Links	**UniProt:** P02775 Related reagents **Entrez Gene:** 5473 PPBP Related reagents
Synonyms	CTAP3, CXCL7, SCYB7, TGB1, THBGB1
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	**Mouse anti Human CXCL7 antibody, clone C11-5G10,** recognizes C-X-C motif chemokine 7 (CXCL7), also known as Platelet Basic Protein, a platelet derived growth factor belonging to the C-X-C subfamily of chemokines. Expression of CXCL7 is largely restricted to platelets where it is produced as an inactive precursor. Upon tissue injury or infection, CXCL7 is one of the first chemokines to appear at the focal sites to mediate neutrophil recruitment after it has been modified by a series of cleavage and activation steps. CXCL7 mediates neutrophil recruitment through binding of its receptors CXCR1 or CXCR2. CXCL7 has been noted as playing important roles in tumorigenesis and has been associated with the proliferation and metastasis of a range of tumor types (Brown *et al.* 2017).The use of serum CXCL7 serves as a diagnostic biomarker in colorectal cancer, lung cancer and renal cell carcinoma samples (Li *et al.* 2019, Kinouchi *et al.* 2017, Du *et al.* 2018) suggesting that serum CXCL7 may be a sensitive and specific biomarker for the diagnosis of these cancer types. The purified Mouse anti Human CXCL7 antibody, clone C11-5G10 (**MCA6224GA**) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human CXCL7 antibody, clone C06-4A3 (MCA6225B) as the detection antibody.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6224GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

ELISA Matched Pair - Detection Antibody

MOUSE ANTI HUMAN CXCL7:Biotin (MCA6225B)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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