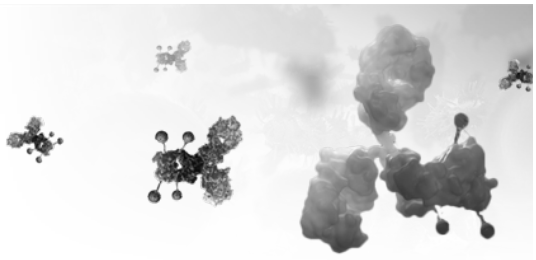

Anti-CASP1 monoclonal antibody, clone 2I22 (DCABH-14867)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Thiol protease that cleaves IL-1 beta between an Asp and an Ala, releasing the mature cytokine which is involved in a variety of inflammatory processes. Important for defense against pathogens. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Can also promote apoptosis.
Specificity	Recognizes an epitope within the p20 fragment of mouse caspase-1. Detects a band of ~45 KDa by Western blot. Does not cross-react with mouse caspase-11 or -12.
Immunogen	A synthetic peptide corresponding to amino acids 206-220 of mouse Casp1.
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Mouse
Clone	2I22
Conjugate	Unconjugated
Applications	Western Blot (Tissue lysate); Western Blot (Transfected lysate); ELISA; Flow Cytometry
Sequence Similarities	TALEMVKEVKEFAAC
Format	Liquid
Buffer	In PBS (0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at 4°C For long term storage store at -20°CAliquot to avoid repeated freezing and

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

thawing.

GENE INFORMATION

Gene Name	Casp1 caspase 1 [Mus musculus]
Official Symbol	Casp1
Synonyms	CASP1; caspase 1; caspase-1; p45; CASP-1; IL-1BC; IL-1B converting enzyme; IL-1 beta-converting enzyme; interleukin-1 beta convertase; interleukin 1 beta-converting enzyme; interleukin-1 beta-converting enzyme; ICE; Il1bc;
Entrez Gene ID	12362
Protein Refseq	NP_033937
UniProt ID	P29452
Pathway	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Cytosolic DNA-sensing pat
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity; hydrolase activity; peptidase activity; protein binding; scaffold protein binding;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221