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Datasheet for ABIN752572
anti-IRGM antibody (AA 51-150) (HRP)

Overview

Quantity:	100 µL
Target:	IRGM
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRGM antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IRGM
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog
Purification:	Purified by Protein A.

Target Details

Target:	IRGM
Alternative Name:	IRGM (IRGM Products)
Background:	Synonyms: Irgm, I1, Iigp3, Immunity related GTPase family M protein 1, Immunity related

Target Details

GTPase family, M, Interferon inducible protein 1, IRGM1, LRG 47, LRG47, IRGM_HUMAN.

Background: IRGM belongs to a family of interferon-gamma inducible GTPases, belonging to the GTPase superfamily, and are selectively induced by IFN-gamma or bacterial lipopolysaccharide (LPS) stimulation. IRGM is primarily expressed in all cells derived from B-cell lineages, and is highly expressed in macrophages following IFN-gamma stimulation. IRGM has been shown to be required for host defences against a broad range of intracellular pathogens. Specifically, IRGM deficient mice show defects with intracellular microbial killing, phagosome maturation and autophagy. More recently IRGM has been shown to inhibit baseline hematopoietic proliferation and is required for a normal hematopoietic stem cell response to chemical and infectious stimuli.

Gene ID: 345611

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months