

EVALUATION OF BAFF INFLAMMATION, GENETIC COMPONENT: STEATOSIS, DIABETES, OBESITY, AUTOIMMUNE DISEASES

MEDICAL REPORT

- Mary Smith, 52 years
- **♀** Gek Lab



BAFF



GENETIC PREDISPOSITIONS

GENE: TCF7L2



The genetic predisposition related to the development of type 2 diabetes is present

GENE: FTO



The genetic predisposition related to the development of overweight and obesity is absent

GENE: PNPLA3



The genetic predisposition related to the development of hepatic steatosis is present

TNFSF13B GENE



Presence of a genetic predisposition to the development of higher BAFF levels



Laboratory results

Date 24/01/2023

Analysis done by:

GEK S.r.l. - Authorized laboratory Via di Grotte Portella, 28 00044 Frascati (RM) Name: Mary Smith
Delivered to: Gek Lab
On: 11/01/2023



Test results

Test	Results	Reference ranges	Units
BAFF	0.73**	< 0.20 - (high > 0.50)	ng/mL

Test	Results	
PNPLA3	Normal / rs738409	
TCF7L2	rs7903146 / rs7903146	
FTO	Normal / Normal	
TNFSF13B	Normal / BAFF-var	

Result

BAFF - BAFF highlights the presence of a **high level of inflammation**. Considering the relationship between BAFF and food-related inflammation this might also be related to your diet. Rebalancing your diet is highly recommended.

PNPLA3 Gene - In your case, the presence of the heterozygous unfavorable genetic variant rs738409 results in an increased risk of developing hepatic steatosis compared to those who are not carriers of this variant.

TCF7L2 Gene - In your case, the presence of the homozygous unfavorable genetic variant rs7903146 results in an increased risk of developing type 2 diabetes compared to those who are not carriers of this variant.

FTO Gene - In your case, the genetic variant rs9939609 was not detected. You are not a carrier of one of the gene variants associated with an increased risk of developing obesity. Therefore, the unfavourable genetic condition, associated with this gene, is absent.

Gene TNFSF13B - On the two homologous chromosomes containing the BAFF gene, only one had the particular BAFF-var variant. The presence of this variant is associated with an **increase in the level of this inflammatory cytokine** in response to various stimuli. It is a genetic predisposition that can be effectively controlled by activating the most suitable epigenetic mechanisms (lifestyle, nutrition, physical activity and personalized supplements).

Milano, 24/01/2023

Dr. Attilio Speciani MD

Clinical Immunologist and Allergy Specialist

Laboratory note - This report was carried out according to the levels of the biomarkers indicated (ELISA method). Genetic analysis, where present, were performed using the Real-Time PCR method. The laboratory adopts specific quality controls for each examination (available on request).



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Dr. Amillio Speciard MD

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